University of Calcutta.

SECRETARIAT LIBRARY.

MINUTES

FOR THE YEAR

1857.

CALCUTTA:

PRINTED FOR THE CALCUTTA UNIVERSITY, AT THE BAPTIST MISSION PRESS.

1860.

MINUTES

OF

THE SENATE

FOR THE YEAR 1857.

No. 1.

3rd January.

Present,—

THE VICE-CHANCELLOR IN THE CHAIR.

THE HON'BLE J. DORIN.
THE HON'BLE J. P. GRANT.
THE HON'BLE GENERAL LOW.
THE HON'BLE B. PEACOCK.
C. ALLEN, ESQ.
C. B. TREVOR, ESQ.
PRINCE GOOLAM MAHOMMED.
W. RITCHIE, ESQ.
C. BEADON, ESQ.
W. G. YOUNG, ESQ.
LIEUT-COL. BAKER.
BABOO RAM GOPAL GHOSE.
K. MACKINNON, ESQ., M. D.
H. PRATT, ESQ.
T. THOMSON, ESQ., M. D.
REVD. W KAY, D. D.
T. OLDHAM, ESQ. LL.D.
L. CLINT, ESQ.
BABOO PROSUNNO COOMAR TAGORE.
BABOO RAMAPERSAD ROY.
REVD. J. OGILVIE, M. A.
PUNDIT ISSER CHUNDER BIDYASAGAR.

The Vice-Chancellor laid before the Meeting a letter from the Secretary to the Government of India, Home Department, intimating the appointm ent of A. Grant, Esq., M. D., to be a Member of the Senate.

2. The following Resolutions were passed *Nem. Con.* :—

1. That Mr. W. Grapel, M. A., be appointed Registrar of the University for two years, and that he be eligible for re-appointment at the end of that period.

2. That the Senate form itself into four Faculties, *viz.*, of Arts, Law, Medicine and Civil Engineering—and that each consist of the following Fellows :—

ARTS.

The Bishop, Mr. Dorin, Mr. Grant. } *Ex-Officio.*
Prince G. Mahommed.
Mr. Beadon.
Mr Young.
Lieut. Lees.
Dr. Kay.
Dr Duff
Mr. Clint.
Revd. Mr. Stephenson.
Revd. Mr. Ogilvie.
Revd. Mr. Mullens.
Mr. Woodrow.
Isser Chunder Bidyasagar.
Baboo Ram Gopal Ghose.

LAW.

The Lt.-Governor, N. W. Provinces, The Chief Justice, } *Ex-Officio.*
Mr Peacock,
Mr. Trevor.
Mr. Ritchie.
Mr. Pratt.
Baboo P. C. Tagore.
„ Ramapersad Roy.
Moulvie Mahommed Wujeeh.

MEDICINE.

The Lt.-Governor of Bengal, } *Ex-Officio.*
Dr. Mackinnon.
Dr. Walker.
Dr. Thomson.
Dr. Mouat.
Dr. Grant.

CIVIL ENGINEERING.

The Commander-in-Chief, General Low. } *Ex-Officio.*
Mr. Ricketts.
Mr. Allen.
Col. Goodwyn.
Col. Baker.
Col. Waugh.
Mr. Oldham.

3. That the following gentlemen, viz., Mr. Beadon, the Director of Public Instruction, Mr. Mullens, Lieut.-Col. Baker, Dr. Grant, and Baboo Ramapersad Roy, together with the Vice-Chancellor, be appointed a Provisional Committee, with power to make such arrangements as may be required for the Entrance Examination, and for the transaction of the other necessary business of the University ; and also to frame the Rules required for the future government of the University ; such Rules to be laid before the Senate for their approval, and that the Committee have power to consult with the different Faculties, and the Faculties have power to address the Committee as occasion shall arise, touching such Rules.

JAMES WM. COLVILE,
Vice-Chancellor.

MINUTES

OF

THE PROVISIONAL COMMITTEE

FOR THE YEAR 1857.

No. 1.

10th January.

Present,—

THE VICE-CHANCELLOR,

MR. BEADON, | DR. GRANT,
MR. YOUNG, | BABOO RAMAPERSAD ROY,

DR. DUFF, (by special invitation.)

1. The Vice-Chancellor laid before the Committee a Scheme for the Entrance Examination to be held in April next.

RESOLVED:

That the Scheme, as settled and given below, be approved, and a copy forwarded to the Calcutta, Bengali and Agra *Gazette* Offices for publication in the next *Gazette*, and that the necessary subsidiary instructions be issued to the several Local Committees of Public Instruction.

Calcutta University.

ARTS.

ENTRANCE EXAMINATION, 1857.

1. THE Entrance Examination will commence on Monday, the sixth day of April 1857.

2. The chief Examination will be held in Calcutta; but Candidates may be examined at any of the undermentioned places; *viz.*, Berhampore, Kishnagur, Dacca, Patna, Bhagulpore, Cuttack, Benares, Agra, Delhi, Ajmere, Lahore, and Chittagong.

3. No Candidate shall be admitted to the Entrance Examination, unless he have completed his sixteenth year; but any one above the age of sixteen may be a Candidate, wherever he may have been educated.

4. Every Candidate must apply either to the Registrar on or before the 23rd March, or to the Secretary to the Local Committee of Public Instruction at any of the places above-mentioned on or before the 23rd February next; and with his application must produce satisfactory testimony that he is at least sixteen years old and of good moral character. He must also give notice in writing of the Languages in which he wishes to be examined.

5. An entrance fee of five Rupees shall be paid by each Candidate, and no Candidate shall be examined unless he have previously paid this fee either to the Registrar or to the Secretary to the Local Committee at one of the above-mentioned places. If a Candidate fail to pass the Examination the fee shall not be returned to him. He may be admitted to any one or more subsequent Entrance Examinations, on payment of a like fee of five Rupees on each occasion.

6. The Examination will be conducted by means of printed papers, which shall be the same for all places in the interior as for Calcutta, and the papers in Languages will include questions to be asked and answered orally.

7. Candidates for Entrance will be examined in the following subjects :—

I. LANGUAGES.

Two of the following Languages, of which English must be one, *viz* :—

English.

Greek.	Sanscrit.
Latin.	Bengali.
Arabic.	Hindee.
Persian.	Urdu.
Hebrew.	

The subjects of Examination will be selected from the under-mentioned Works :—

English.

Goldsmith.
MacCulloch's Course of Reading.
Prose Reader No. 3.

Greek.

Homer.
Xenophon.

Latin.

Cæsar.
Virgil.

Arabic.

Alif Laila, Nathat al Yaman.

Hebrew.

Book of Genesis.

Persian.

Gulistan, Bostan.

Sanscrit.

Raghuvansa, Kumara Shumbhava.

Bengali.

Life of Rajah Krishna Chunder Roy, Ramayun.

Hindee.

The Ramayun.

Urdu.

Bagh O'Bahar and Gul-i-bakawali.

The papers in each Language will include Ques Grammar and Idiom.

Easy sentences in each of the Languages in which the Candidate is examined will be given for translation into the other Language.

II. History and Geography.

The outlines of General History as contained in Marshman's Brief Survey, or other similar Works, and the outlines of Indian History as contained in Murray's History of India or other similar Works.

A general knowledge of Geography and a more detailed knowledge of the Geography of India.

III. Mathematics and Natural Philosophy.

Arithmetic and Algebra.

The ordinary Rules of Arithmetic.

Vulgar and Decimal Fractions.

Extraction of the Square Root.

Addition, Subtraction, Multiplication and Division of Algebraical Quantities.

Proportion.

Simple Equations.

Geometry.

The First Three Books of Euclid.

MECHANICS.*

Composition and Resolution of Statical Forces.

The Simple Mechanical powers with the Ratio of power to weight in each.

Centre of Gravity.

In Branches II. and III. the answers may be given in either of the Languages in which the Candidate is examined.

8. The Examinations will be conducted in the following order, *viz.* :—

Monday, April 6th,—English.

Tuesday April 7th,—Other Languages.

Wednesday, April 8th,—Oral Examinations in Languages.

Thursday, April 9th,—History and Geography.

Friday, April 10th,—Mathematics and Natural Philosophy.

9. The Examination will be held from 10 A. M. to 1½ P. M. and from 2 to 5½ P. M. on each day, with the exception of Wednesday, when it will commence at 10 A. M. and continue until all the Candidates have been examined. Candidates are required to be in attendance a quarter of an hour earlier than the beginning of each day's Examination, in order that no time may be lost in taking their places.

10. At the close of each day's Examination at any place in the interior above-mentioned, the answers of each Candidate will be sealed up by the Secretary to the Local Committee of Public Instruction and forwarded immediately to the Registrar.

11. Candidates will not be approved by the Examiner, unless they show a competent knowledge of all the subjects in which they are examined.

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* Only a popular knowledge of Mechanics is rsquired.

12. On the morning of the fourth Monday after the Examination, the Examiners will arrange in two divisions each in Alphabetical order such of the Candidates as shall have passed, and to each passed Candidate shall be given a Certificate signed by the Registrar setting forth his age and the Division assigned to him by the Examiners.

By order of the Vice-Chancellor,

W. GRAPEL, M. A.,

Registrar.

CALCUTTA UNIVERSITY,
The 12th January 1857.

(Confirmed,)

JAMES WM. COLVILE,

Vice-Chancellor.

MINUTES

OF

THE PROVISIONAL COMMITTEE

FOR THE YEAR 1857.

No. 2.

17th January.

Present,—

THE VICE-CHANCELLOR,

MR. BEADON,	DR. A. GRANT,
MR. YOUNG,	BABOO RAMAPERSAD ROY,

DR. DUFF.

Mr. Young brought before the Committee the question of the Entrance Examination to be held in March 1858, and of the subjects to be settled for such Examination.

RESOLVED:

That the subjects as settled and given below be approved, and a copy forwarded to the Calcutta, Bengali and Agra *Gazette* offices for publication in the next *Gazette.*

Calcutta University.

SUBJECTS FOR THE ENTRANCE EXAMINATION IN ARTS, 1858.

I. LANGUAGES.

English.

Cowper's Task.

Southey's Life of Nelson.

Greek.

Homer's Iliad, Books 1, 2, 3.

Xenophon Cyropædia, Books 1 and 2.

Latin.

Horace, Odes, Book 1.
Sallust, Catiline.

Hebrew.

Book of Genesis.

Arabic.

Alif Laila.
Nafhat al Yaman

Persian.

Gulistan.
Bostan.

Sanscrit.

Raghuvansa.
Kumar Sumbhava.

Bengali.

Life of Raja Krishna Chunder Roy.
Ramayun.

Hindi.

The Ramayun.

Urdu.

Bagh-o-Bahar and Gul-i-bakawali.

The Papers in each Language will include questions on Grammar and Idiom.

Easy sentences in each of the Languages in which the Candidate is examined will be given for translation into the other Language.

II. History and Geography.

The Outlines of General History as contained in Marshman's Brief Survey or other similar Works, and the Outlines of Indian History as contained in Murray's History of India or other similar Works.

A general knowledge of Geography and a more detailed knowledge of the Geography of India.

III. Mathematics and Natural Philosophy.

Arithmetic and Algebra.

The ordinary Rules of Arithmetic.

Vulgar and Decimal Fractions.

Extraction of the Square Root.

Addition, Subtraction, Multiplication, and Division o Algebraical Quantities.

Proportion.

Simple Equations.

Geometry.

The First three Books of Euclid.

Mechanics.*

Composition and Resolution of Statical Forces.

The Simple Mechanical Powers with the Ratio of power to weight in each.

Centre of Gravity.

IV. Natural History.

A general knowledge of the habits and characteristics of Vertebrated Animals as described in "Patterson's Zoology for the use of Schools," or in any similar Work.

General Economy of Vegetation and the Simple Elementary Organs of Plants as contained in the first 46 Sections of Vegetable Physiology in Chambers's Course, or in any similar Work.

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* Only a popular knowledge of Mechanics is required

In Branches II. III. and IV. answers may be given either in English or in any other of the Languages in which the Candidate may elect to be examined.

2. Mr. Beadon proposed—

That 500 copies of the notification as to the Entrance Examination, which appeared in the *Calcutta Gazette* of Wednesday the 14th January 1857, be printed in separate form, and that copies for distribution be furnished to the Director of Public Instruction and to the Revd. A. Duff.

RESOLVED :

That instructions be given accordingly to the Printer.

3. Dr. Grant brought before the Committee the question as to the First Examination to be passed by Candidates for the Degree of Licentiate in Medicine and Surgery.

RESOLVED :

That Dr. Grant do consult with the Professors of the Medical College, and do arrange with them as to the time most expedient for holding such Examination, together with the days and hours of Examination in particular subjects, and that having obtained such information, he do furnish the same to the Registrar who shall insert it in the notification otherwise settled and which is given below, and shall cause the same to be duly published in the *Government Gazettes* in English, Bengali and Urdu.

Calcutta University.

MEDICINE.

Licentiate in Medicine and Surgery.

FIRST EXAMINATION 1857.

1. The First Examination will take place on the 16th day of March 1857.

2. No Candidate shall be admitted to this Exmination, unless he have produced Certificates to the following effect :—

(a.) Of having completed his Eighteenth year.

(b.) Of having been engaged in Medical Studies for two Academic years.

(c.) Of having attended Courses of Lectures on the following subjects :—

Descriptive and Surgical Anatomy, ...	Two Courses.
Chemistry, ...	Two Courses.
Botany, ...	One Course.
Materia Medica, ..	One Course.

(d.) Of having dissected during two Winter Terms, and of having completed at least Twelve Dissections during each of these Terms.

3. These Certificates must be transmitted to the Registrar on or before the 9th day of March 1857.

4. Candidates will be examined in the following subjects :—

Descriptive and Surgical Anatomy,
Chemistry,
Botany,
Materia Medica and Pharmacy.

5 The Examination will be Written, Oral, and Practical.

6. The Examinations will be conducted in the following order, *viz.* :

Monday,	March	16th,	Anatomy and Physiology, (Written Paper.)
Tuesday,	„	17th,	Anatomy and Physiology, (Oral and Practical.)
Wednesday,	„	18th,	Materia Medica, (Written Paper.)
Thursday,	„	19th,	Chemistry, (Written Paper.)
Friday,	„	20th,	Practical Anatomy.
Saturday,	„	21st,	Descriptive and Surgical Anatomy, (Written Paper.)
Monday,	„	23rd,	Materia Medica, (Practical.)
Tuesday,	„	24th,	Chemistry, (Oral.)
Wednesday,	„	25th,	Botany, (Written Paper.)
Thursday,	„	26th,	Botany, (Practical.)

7. The Examination will be held from 11 A. M till 4 P. M on the above-mentioned days. The Candidates are required to be in attendance a quarter of an hour earlier than the beginning of each day's Examination, in order that no time may be lost in taking their places.

8. On the 2nd of April, the Examiners will arrange the successful Candidates in two Divisions, whereof the first will be arranged in the order of Merit, and the second in Alphabetical Order.

9. If in the opinion of the Examiners sufficient merit be evinced, the Candidate who shall distinguish himself the most in Descriptive and Surgical Anatomy, the Candidate who shall distinguish himself the most in Chemistry, the Candidate who shall distinguish himself the most in Materia Medica and

Pharmaceutical Chemistry, and the Candidate who shall distinguish himself the most in Botany shall each receive a Scholarship of sixteen Rupees a month for the next two years.

10. No single Candidate shall hold more than one Scholarship at the same time.

11. Under the same circumstances the first and second Candidate in each of the preceding subjects shall each receive a Microscope of the value of one Hundred Rupees.

12. Under the same circumstances, the Candidate who shall distinguish himself the most in Structural and Physiological Botany shall receive a similar prize.

4. Mr. Young laid before the Committee a Memorial signed by certain Students of the Government Colleges and Schools who had passed the Senior Scholarship Examination, and who prayed that they might be exempted from the Entrance Examination.

RESOLVED :

That there appears to be no sufficient reason for departing from the Rule laid down by the University Committee and approved by Government, which insists on such an Examination.

5. The question of the appointment of Examiners for the Entrance Examination in April next having been brought forward it was resolved :

That a Board of Examiners be appointed, and that to the Examiners in English and Classics, in History and Geography and in Mathematics respectively, there be allowed a remuneration of Company's Rupees Three Hundred, and that to the Examiners in Oriental Languages a remuneration of Company's Rupees One Hundred and fifty be

allowed; that the Board as a body should be responsible for all the questions set as well as for the valuation of the answers

W. GRAPEL, M. A.,

Registrar.

(Confirmed,)

JAMES WM. COLVILE,

Vice-Chancellor.

MINUTES

OF

THE PROVISIONAL COMMITTEE

FOR THE YEAR 1857.

No. 3.

24th January.

Present,—

THE VICE-CHANCELLOR, in the Chair.

MR. BEADON, | LIEUT.-COL. BAKER,
MR. YOUNG, | DR. GRANT.

DR. DUFF.

1. The question of the appointment of Examiners to conduct the Entrance Examination in April next having been again brought forward, it was resolved :

1. That the following Gentlemen be requested to form a Board subject to the rules as to responsibility laid down at the last Meeting, and that each Member of the Board be ready if called upon to assist, so far as he is able, as well in the other subjects of the Examination as in that or those to which he has specially been appointed.

English Language and Classics,	G. Smith, Esq., Principal, Doveton College.
History and Geography, ...	E. B. Cowell, Esq., Professor, Presidency College.
Mathematics,.....	W. Masters, Esq., Professor, Metropolitan College.
Arabic, Persian and Urdu,.....	Captain St. George, Offg. Principal, Mudrissa College.
Sanskrit, Bengali,.....	The Revd. K. M. Banerjee, Professor, Bishop's College.

2. That on the present occasion each Member of the above named Board of Examiners shall receive a remuneration of Company's Rs. 300.

2. Mr. Beadon alluded to the necessity of forthwith procuring a common seal for the uses of the University.

RESOLVED:

That Mr. Young do consult with Captain C. B. Young, and that the latter be requested to furnish the Committee with a design for the same.

3. The Committee continued its discussion of the Rules for the Government of the University.

RESOLVED:

That the Draft Regulations for Entrance and all other Examinations be put in circulation among the Members of the Committee, and discussed at its next ordinary meeting.

4. Read a letter from Major Bell, Temporary President of the Building Committee of the Presidency College, dated the 17th January, as to the accommodation which the University and its Officers will require in the new building.

RESOLVED:

That a Private Room and an Office for the Registrar, additional space for Records and Muniments when required, a Council Chamber adapted for meetings of the Senate, its Syndicate and Faculties, and a large Hall for Examinations include all the requirements of the University.

5. RESOLVED:

That the ordinary meetings of the Committee be held on the last Saturday in every month; that the first of such

meetings be held on Saturday the 28th day of February next, and that the Registrar do always give due and timely notice of such meetings, stating as well the day when, as the place where, and the hour at which they shall be held.

W. GRAPEL,

Registrar,

(Confirmed,)

JAMES WM. COLVILE,

Vice-Chancellor.

MINUTES

OF

THE PROVISIONAL COMMITTEE

FOR THE YEAR 1857.

No. 4.

7th February.

Present,—

MR. BEADON, in the Chair

MR. YOUNG, | DR. GRANT,
COL. BAKER, | BABOO RAMAPERSAD ROY,

DR. DUFF.

1. Read a letter from Captain St. George, dated 6th Feby. 1857, in which, while accepting the Examinership in Persian and Hindustani, he regrets his inability to conduct that in Arabic.

RESOLVED :

That in the event of there being at the Entrance Examination any Candidate or Candidates who may desire to be examined in Arabic, Captain St. George be authorized to make his own arrangements with, and be requested to call in the aid of, an Examiner in Arabic who shall in his opinion be duly qualified.

2. Read letters from the Revd. W. Kay, Principal of Bishop's College, and from Mr. R. W. Hollingberry, Secretary to the Parental Academy and Doveton College, requesting that the said Institutions may be connected by affiliation with the Calcutta University.

RESOLVED :

1. That all applications for affiliation must be accompanied by:

a. A statement shewing the present instructive staff, and the Course of Study in all branches during the last two years at least, provided the Institution have existed for such a period.

b. A declaration from the Managers, Principal or Head Master, that the Institution has the means of educating up to the Standard of the B. A. Degree, and such declaration before being sent to the Registrar for the ratification of the Senate, must be countersigned by at least two Members of the Senate.

2. That a notification to the above effect be published in the *Calcutta Gazette* and in the other ordinary quarters.

3. With reference to Para : 4 in the printed notification as to the Entrance Examination of 1857,

RESOLVED :

That the testimony as to the age and moral character of Candidates, and the notice of the language in which they may desire to be examined be conveyed, either to the Registrar on or before the 23d March, or to the Secretary to the Local Committee of Public Instruction at any of the authorized places, in the form following :—

I certify that
a Candidate for the Entrance Examination of the Calcutta University, has to the best of my belief attained his full age of 16 *years, and is of good moral character, that he has in writing expressed his desire to be examined in the two languages following :—*

1.
2.

Dated, } *(Signed,)*

ORDERED :

That the said form be published in the *Calcutta Gazette* and other usual quarters, and 500 copies be printed, and circulated as may appear expedient.

4. On the motion of Dr. Grant it was resolved :

That as by reason of the heat it would be inexpedient to hold the First Examination in Medicine at so late a period as was originally recommended by the Officiating Principal of the Medical College, such Examination shall be held at an earlier period, to wit on the days hereinafter mentioned, the Officiating Principal of the Medical College guaranteeing that due and timely notice of the change be given to Assessors, Examiners, Candidates, and all or any besides whom it may concern.

Monday,	March	2nd,...Anatomy and Physiology, (Written Paper.)
Tuesday,	do.	3rd,..Ditto ditto, (Oral and Practical.)
Wednesday,	do.	4th,...Materia Medica (Written Paper.)
Saturday,	do.	7th,..Chemistry, (Written Paper.)
Monday,	do.	9th,..Practical Anatomy.
Saturday,	do.	14th,..Descriptive and Surgical Anatomy. (Written Paper.)
Friday,	do.	13th,...Materia Medica, (Practical.)
Thursday,	do.	12th,...Chemistry, (Oral.)
Wednesday,	do.	4th,...Botany, (Written Paper.)
Friday,	do.	6th,...Ditto, (Practical.)

5. RESOLVED :

That, as Friday the 10th of April next happens to be Good Friday, and as Saturday the 11th is a Hindu Holiday ; the Entrance Examination in Mathematics and Natural Philosophy for 1857, published in the *Government Gazette* of 14th January as to take place on Friday the 10th, be postponed to Monday the 13th of April.

6. Read a letter from the Revd. W. Kay, calling the attention of the Vice-Chancellor and Provisional Committee to the list of subjects issued for the Entrance Examination to be held in April next, and asking whether in the present year it is proposed to examine in the whole of the works of the authors stated, or in stated portions only, as will be the case in the like Examination to be held in 1858.

RESOLVED:

That the Registrar do write to the Revd. W. Kay, and do inform him, that as by reason of the short period which would elapse between the publication of the first notification and the period of the first examination it would have been impossible for pupils to read stated portions of the respective authors named, the Vice-Chancellor and Provisional Committee advisedly directed that the selections should be made at the option of the respective Examiners from any portions of the authors named, but that special instructions should be and were issued to the said Examiners, requesting them under the peculiar circumstances to be less stringent in their requirements, and to fix their papers at a somewhat lower standard than might on future occasions be advisable.

W. GRAPEL, M. A.
Registrar.

(Confirmed,)

JAMES WM. COLVILE,
Vice-Chancellor.

MINUTES

OF

THE PROVISIONAL COMMITTEE

FOR THE YEAR 1857.

No. 5.

28th February.

Present.

THE VICE-CHANCELLOR, in the Chair.

MR. BEADON,	DR. A. GRANT,
REVD. MR. MULLENS,	BABOO RAMAPERSAD ROY.

1. Read a letter from the Under-Secretary to the Government of Bengal No. 272, forwarding copy of a letter No. 271, dated the 16th February 1857, to the address of the Director of Public Instruction, requesting that the several Local Committees of Public Instruction in the Lower Provinces be directed to conform to all the instructions which they may receive from the Vice-Chancellor and Senate in all matters connected with the examinations of the University.

2 Read a letter from the Assistant Secretary to the Government N. W. Provinces No. 711, dated 21st February 1857 to the same purport.

ORDERED :

That both letters be recorded.

2. The Registrar laid before the Committee a form of account furnished by the Accountant General as that in which it might be advisable to keep the general accounts of the University, and which the Accountant General wishes to be returned quarterly.

ORDERED :—

That a quarterly Account be furnished in the form suggested by the Accountant General, and that the Registrar do bring to each ordinary meeting of the Syndicate a statement of the monthly receipts and expenditures.

3. The Registrar reported that applications for examination of Candidates for entrance have been received from Government Schools in the undermentioned stations in Bengal and Orissa:—

Beerbhoom, ...	3	Candidates,
Burrisaul,.....	3	do.
Midnapore, ...	6	do.
Chittagong, ...	3	do.
Bancoorah, ...	6	do.
Pooric, ...	3	do.

ORDERED :

That the report of the Registrar be recorded.

4. The Registrar reported that he had written to the Local Committees at the above stations, requesting that such registration fees as have not already been forwarded to his Office may be remitted without delay, and begging that he may forthwith be furnished with the following particulars which are necessary for the identification and registration of the Candidates:—

1. Zillah where resident.
2. Thannah where resident.
3. Town or Village where resident.
4. Name of Parents or Guardians.
5. Religion or Caste.
6. Where to be examined.

APPROVED.

5. Read letter No. 94 dated 9th February 1857, from the Secretary to the Local Committee of Public Instruction at Cuttack, intimating that the School under the control of the Committee has not any pupils sufficiently advanced to compete for the Entrance Examination in the present year, and stating that as the Oorya language forms part of the course of study with the Government Anglo-Vernacular Schools in that province, and

as it is the medium of instruction in the several local schools as well private as Missionary, the exclusion of that language from the number set forth in which the Candidates may elect to be examined, will effectually hinder the schools in that province from competing with success at the Examinations of the University.

ORDERED :

That the suggestion of the Secretary to the Local Committee of Public Instruction do remain over, and be considered when the rules and regulations for the Government of the University are finally settled.

6. Read a letter from the Secretary to the Local Committee of Public Instruction at Commillah, No 101, dated 19th February 1857, asking how many days prior to the Examination it is expected that Candidates should present themselves at the Central College at Dacca, and whether the prescribed fee is to be paid at Commillah or to be levied from the boys by the Local Managers at Dacca.

The Registrar reports that a letter has been addressed to the Local Committee at Commillah, intimating that Candidates must present themselves at the Station where they are to be examined at least two days before the first day of Examination, and that the fees are to be paid at the place of education of the Candidates.

The Registrar further reports that the several Central Committees of Examination have been advised as to the purport of the above letter.

APPROVED, AND ORDERED :

That the Registrar do write the following letter to the several Central Committees of Public Instruction :—

No.

From

The Registrar of the Calcutta University,

To

The Secretary to the Local Committee of Public Instruction.

AT

Calcutta, the 1857.

SIR,

In modification of my letter No. , dated the of February last, I have the honor to inform you that the Vice-Chancellor and Senate have ordered that one University Examination only, namely, that for Entrance, shall annually be held at the several Central Stations whereof yours is one, and that all other University Examinations as well for ordinary Degrees as for Honors shall be held in Calcutta alone.

2. I am further directed to mention, that though all Candidates should, as was directed in my letter, No. aforesaid, present their credentials to you at least two days before the first day of the Examination, you are at full liberty to modify the rule in cases where Candidates are able to satisfy you that they have been hindered by accident or by other unavoidable circumstances from presenting their credentials by the time stated.

I have the honor to be,

Sir,

Your most obedient Servant,

Registrar.

7. Read letters from the Principal and Committee of the Parental Academic Institution and Doveton College, the Rector of St. Paul's School, and from the Managers of the Free Church Institution giving the educational staff at

present engaged in each of the said Institutions, the curriculum for the last two years together with the countersignature of two Members of the Senate, and praying that the said Institutions and each of them may be connected by affiliation with the University.

ORDERED:

That the three educational establishments aforesaid be affiliated, and that the Registrar do issue the necessary communications to the authorities of those Institutions.

8. Read also a letter from Mr. J. R. Lewis, Principal of the Landour Academy, submitting application for the affiliation of that institution with this University.

The Registrar reported that he had furnished Mr. Lewis with the form of Statement required for affiliation.

APPROVED.

9. Read a letter from the Under-Secretary to the Government of India No. 236, dated the 6th February 1857, forwarding copy of correspondence from Lt. Col. Waugh, No 852, dated the 26th January 1857, with its enclosure, suggesting that Lucknow Observatory might be affiliated to the University.

ORDERED:

That the Registrar do write to Lieut.-Col. Waugh the letter following:—

Calcutta, the 23th February 1857.

SIR,

I have the honor to inform you, that your letter No. 852 dated the 26th January 1857, and addressed to the Secretary, to the Government of India, having been transferred to this Office for the consideration of the Senate of the University, was this day laid before the Vice-Chancellor and Provisional Committee appointed by the Senate.

2. In reply I am directed to state, that while the Vice-Chancellor and Senate entertain the warmest interest in the well-being of the Lucknow Observatory, they are at present unable to discover any method by which it is in their power to affiliate it to the University. Affiliation can in strictness apply only to Establishments in which the work of education is formally carried on and in which, while there is a competent staff of teachers, there is also a defined course of study, and a body of Students ready to avail themselves of the means provided for their advancement. That this is the only meaning which the Vice-Chancellor and Senate can attach to the term is clear, as well from its general use as from the manner in which it has been limited in the official notice which has been issued of the requirements demanded from all who desire that any Institution under their charge should be affiliated to this University. A copy of this notice I have the honor to enclose for your information. Under these circumstances, and in the absence of more precise information as to the nature or extent of any contemplated changes, the Vice-Chancellor and Senate regret that they are unable to take any steps to connect the proposed Observatory with the University of Calcutta.

I have, &c.

To

LIEUT. COL. A. S. WAUGH,

Surveyor General of India,

10. The Registrar submits a Bill amounting to Co.'s Rs. 55-8-9 for the purchase of Stationery, Books, and other necessary outfits for the Registrar's Office.

ORDERED :

That it be passed.

11. The subjects of the B. A. Examination for 1858 and 1859, were discussed.

RESOLVED:

That Dr. Kay be requested to suggest the books which he considers to be best fitted for the examination in Hebrew, and that Mr. Reid be requested to do the like in regard to Hindee and Oordoo, and that the subjects as otherwise settled and mentioned below, be published in the Calcutta, Bengali and Agra *Gazettes*, and that an adequate number of copies of each notification be separately printed and circulated.

Calcutta University.

SUBJECTS FOR THE BACHELOR OF ARTS DEGREE EXAMINATION, 1858.

I. LANGUAGES.

English.

Shakspeare	Macbeth,
Dryden	Cymon and Iphigenia. Flower and the Leaf.
Addison	Essays from the Spectator.

Greek.

Sophocles	Antigone.
Herodotus : ..	Book 7, Polymnia. Book 8 Urania.

Latin.

Virgil	Æneid, Books 1 to 6.
Cicero	4. Orations against Catiline.

Hebrew.

Deuteronomy. Daniel I—VII.

Isaiah I.—XXXIX. Proverbs.

Psalms I—XLI.

Arabic.

Ikhwan al Safa. Soyuti's Tarikhal Kholfa.

Persian.

Sekandar Nameh, Abu-al-Fazl's Letters.

Sanskrit.

Kiratarjuniya, Viracharita.

Bengali.

Batrish Singhasan, Purush Parikhya, Mahabharat, Books 1 to 3.

Hindee.

Urdu.

The papers in each Language will include Questions on Grammar* and Idiom.

Sentences in each of the languages in which the Candidate is examined will be given for translation into the other Language.

II. History.

The principles of historic evidence as treated in Isaac Taylor's two works on the subject, or other similar Books.

The History of England, (including that of British India,) to the end of 1815.

Elphinstone's History of India

Ancient History, with special reference to the History of Greece to the death of Alexander, the History of Rome to the death of Augustus, and the History of the Jews.

The Historical Questions will include the Geography of the countries to which they refer.

* For Sanskrit, instead of the older Grammars, such works as Ishwar Chandra Sharma's two Grammars, or that of Mr. Williams; and for Bengali, Rammohun Roy's, Dr. Yate's, or Shamachurn Sirkar's Grammar, will be used in the Examination.

III. Mathematics and Natural Philosophy.

Arithmetic and Algebra.

The ordinary Rules of Arithmetic.

Vulgar and Decimal Fractions.

Extraction of the Square-root.

Addition, Subtraction, Multiplication, and Division of Algebraical Quantities.

Simple and Quadratic Equations, and questions producing them.

Algebraical Proportion and Variation.

Permutations and Combinations.

Arithmetical and Geometrical Progression.

Binomial Theorem.

Simple and Compound Interest, Discount, and Annuities for terms of years.

The nature and use of Logarithms.

Geometry.

The first six books of Euclid, and the eleventh book to Prop. XXI., with deductions.

Conic Sections.

Plane Trigonometry.

Solution of all cases of Plane Triangles.

The expression for the Area of a Triangle in terms of its sides.

Mechanics.

Composition and Resolution of Forces.

The Mechanical Powers.

The Centre of Gravity.

The general laws of Motion.

The motion of falling bodies in free space and down inclined planes.

Hydrostatics, Hydraulics, and Pneumatics.

Pressure of liquids and gases, its equal diffusion and variati on as the depth.

Specific Gravity.

Description and explanation of the barometer, siphon, common pump, forcing-pump, air-pump, and steam-engine.

Optics.

Laws of Reflection and Refraction.

Formation of images by simple lenses.

Astronomy.

Elementary knowledge of the Solar System, including the phenomena of Eclipses.

IV. PHYSICAL SCIENCES.

Chemistry.

The Atmosphere, its general nature and condition; its component parts—Oxygen and Nitrogen; their properties. Water and carbonic acid: proportion of these substances in the air.

Chlorine and Iodine, as compared with Oxygen.

Water; its general relation to the atmosphere and earth; its natural states and relative purity; sea water, river water, spring water, rain water, pure water; effects of heat and cold on it; its compound nature; its elements.

Hydrogen; its nature and proportion in water; its presence in most ordinary fuels; its product when burnt.

Sulphur, phosphorus, and carbon, gernerally.

Nitric acid, sulphuric acid, carbonic acid; their elements.

Hydrochloric or muriatic acid.

Alkalies, earths, oxydes, generally.

Salts; their nature generally; sulphates; nitrates; carbonates

Metals genrally; iron, copper, lead, tin, zinc, gold, silver, platinum, mercury.

Powers of matter; aggregation; crystallization; chemical affinity; definite equivalents.

Combustion; flame; nature of ordinary fuel; chief results of combustion; *i. e.* the bodies produced.

Heat; natural and artificial sources; its effects; expansion solids, liquids, gases, thermometer, conduction, radiation, capacity, change of form, liquefaction, steam.

Animal Physiology.

As contained in Knox's translation of Milne Edwards' Zoology, or other similar works.

Physical Geography.

Physical Geography, as contained in Hughes or any other similar work.

V. Mental and Moral Sciences.

Logic.

The Elements of Logic, as contained in Whately or any similar work.

Moral Philosophy.

Moral Philosophy, as contained in Wayland, Abercrombie, or any similar work.

Mental Philosophy.

Mental Philosophy, as contained in Abercrombie, Dr. Payne, or any similar work.

SUBJECTS FOR THE BACHELOR OF ARTS DEGREE EXAMINATION 1859.

I. Languages.

English.

Milton's Paradise Lost		Books 1 to 6 inlusive.
Pope	...	Essay on Criticism.
	...	Abelard and Eloisa.
Defoe	...	History of the Plague.
Macaulay's Essays	...	1. War of the Succession in Spain
		2. William Pitt.
		3. The Earl of Chatham.

Greek.

Demosthenes,	...	De Coronâ.
Æschines	...	De Coronâ.
Euripides	...	Medea.

Latin.

Horace	...	Odes, Books 1 to 4, inclusive.
Tacitus	...	Agricola.
		Germania.

Hebrew.

Genesis, with the Targum of Onkelos, on the last nine Chapters.
Isaiah XL—LXVI.
Psalms XLII—LXXXIX.
Job.

Arabic.

Ikhwan al Safa, Soyuti's Tarikh al Kholfa.

Persian.

Sekandar Nameh, Abu-al-Fazl's Letters.

Sanskrit.

Kiratarjuniya, Viracharita.

Bengali.

Probodh Chandrika, Ramayan, Books 1, 2, 3.

Hindee.

Urdu.

The papers in each language will include Questions on Grammar* and Idiom.

Sentences in each of the languages in which the Candidate is examined will be given for translation into the other language.

II. History.

As mentioned in the Notification for 1858.

III. Mathematics and Natural Philosophy.

As mentioned in the Notification for 1858.

IV. Physical Sciences.

As mentioned in the Notification for 1858.

V. Mental and Moral Sciences.

As mentioned in the Notification for 1858.

VI. MENTAL PHILOSOPHY.

As mentioned in the Notification for 1858.

By order of the Vice-Chancellor,

W. GRAPEL, M. A,

Registrar

(Confirmed.)

JAMES WM. COLVILE,

Vice-Chancellor.

MINUTES

OF

THE PROVISIONAL COMMITTEE,

FOR THE YEAR 1857.

No. 6.

The 28th March.

Present,—

THE VICE-CHANCELLOR, IN THE CHAIR,
MR. BEADON,
REV. J. MULLENS,
DR. GRANT,
BABOO RAMAPERSAD ROY.

1. Read letters from the acting Governors and Principal of La Martinere, and from the Missionary Instructors of the London Missionary Society's Institution at Bhowanipore, giving the Educational staff at present engaged in each of those Institutions, the curriculum of the last ten years, together with the counter-signature of two Members of the Senate, and praying that the said Institutions, and each of them, may be connected by affiliation with the University.

ORDERED:

That the two Educational establishments aforesaid be affiliated, and that the Registrar do issue the necessary communication to the authorities of those institutions.

2. Read a letter from the Rev. A. Duff, regretting that a work so prurient as the Abelard and Eloisa of Pope should have been selected as one of the subjects for the B. A. Examination in 1857, suggesting that it should be expunged, and that in lieu thereof the "Pilgrim of Parnell" or some similar work be substituted.

RESOLVED :

That although the Committee does not recognise the full force of Dr. Duff's objection to a work which has long been read in the Government Colleges, it is expedient to avoid any such question as that raised by Dr. Duff's letter, and therefore the suggestion of the Rev. Dr. Duff as to the omission of Abelard and Eloisa be adopted, that in lieu thereof there be substituted so much of Gray's Poetry as is contained in Richardson's Selections, and that the Registrar do by means of advertisement in the usual public prints, give notice of such omission and substitution.

3. The Registrar submitted the following letter sent by him to Secretaries to Local Committees, and issued in consequence of applications having been made and fees remitted to him by Candidates who distinctly disavowed all wish to compete for Entrance, and who stated themselves to be Candidates for Junior Scholarships :—

From the Registrar of the Calcutta University,
To the Secretary to the Local Committee of Public Instruction,
at
Calcutta, the of 185

SIR,

As some misconception appears to have arisen with reference to the forwarding of certificates relating to, and of fees received from, the several candidates, as well for the ensuing Examination for Entrance into this University, as for Junior Scholarships, I have the honor, by direction of the Vice-Chancellor and the Senate, to request,

1st. That you will forward to me such certificates and fees only as shall relate to, and be received from, those who distinctly declare their intention to compete as candidates for Entrance at the ensuing University Examination.

2nd. That after the conclusion of each day's examination you will forward to me the answers of such candidates and of such alone, while the answers of candidates for Junior Scholarships must be forwarded to the Secretary to the Scholarship Examination Committee.

3rd. All the Examination papers with the exception of a substituted paper on History and of one on Zoology will be supplied from this Office. Candidates for Junior Scholarships only will in History use the paper on History which will be furnished by the Scholarship Examining Committee, and must not be allowed to make their answers to the Historical Paper which will be furnished from this Office, which is intended for the sole use of those who have previously declared their intention to compete for Entrance into the University, and who have by delivery of certificates and by payment of fees fulfilled all the preliminary requirements.

I have the honor to be,
Sir,
Your most obedient Servant,

Registrar.

The Registrar also submitted form of letter (as given below) sent by him to the Local Committees of Public Instruction, in the central stations in Bengal, Orissa, and Behar giving instructions as to the mode in which the ensuing Examination for Entrance is to be conducted, and the answers of the Candidates after each day's Examination are to be disposed of.

From the Registrar of the Calcutta University,
To the Secretary to the Local Committee of Public Instruction,
at

Calcutta, the 27th March, 1857.

SIR,

I have the honor to inform you that by the post of this day, I have forwarded to your address in one packet, the papers of questions for Monday April 6th as set by the University Board of Examiners for Candidates for Entrance into this University. The papers of Tuesday will be posted to-morrow and those for the remaining days in due order. It will clearly be understood that no Candidate can be admitted to the Examination whose name has not been duly entered on the Rolls of this University, and such entry shall be deemed fully proved on the production by the Candidate of the formal receipt for the payment of his fee of five Rupees.

2. Beyond the exact number of papers intended for those who are *bonâ fide* Candidates for Entrance, I beg to forward in every subject save in History an additional number for those who are certified as fit Candidates for Junior Scholarships only.

3. On the morning of Thursday the 9th April, none must be admitted save those who, having paid the necessary fees to the Registrar, have declared themselves *bonâ fide* candidates for Entrance.

4. The afternoon paper for Thursday the 9th, the subject of which is Geography, is for the common use of all the Candidates as well for Junior Scholarships only as for Entrance.

5. In the oral examination which is fixed for Wednesday the 8th April, 50 is the maximum number of marks allotted to each paper or 100 to the oral Examination in the two languages to be passed by every Candidate. The questions in these papers may be asked and the results numerically recorded by any of the members of your Committee, or where the number of the Candidates is very large, by any other responsible person, whose assistance you may deem it advisable to request. It

may be well to observe that in order to pass the Examination, every Candidate must gain at least 12-½ marks in each of the papers or 25 marks on the whole oral Examination.

For further instructions as to the mode in which this Examination is to be conducted, I beg to refer you to Para. 3, of my letter No.—Dated—you will be so good as to direct the several Candidates when they have folded their papers of answers, to state below the endorsement of their names whether they are

1. Candidates for Entrance.
2. Candidates for Entrance and for Junior Scholarships.
3. Candidates for Junior Scholarships only.

The answers and in the case of the oral Examination, the numerical results of the two first must after each day's Examination be forwarded to this office, while those of the last must be forwarded to the Secretary to the Board of Examiners for Scholarships.

I have &c.

APPROVED :

4. The Registrar submitted a Bill for contingencies amounting to Rs. 36-14, and Bills for advertising amounting in the aggregate to Rs. 154-2.

ORDERED TO BE PASSED :

5. The Registrar suggested that the next ordinary meeting of the provisional committee be held on Saturday the 18th instead of on Saturday the 25th April next, that in lieu of Saturday the 30th May, the ordinary meeting next after such meeting on the 18th of April as aforesaid be held on Saturday the 6th of June, and that in the interval between the said 18th of April and the said 6th of June, he be permitted to leave Calcutta on condition of his making due arrangements for carrying on in his absence all necessary business, holding himself personally responsible for the same.

RESOLVED :

That the Registrar be permitted to leave Calcutta as suggested by him during the vacation of the Presidency College, provided he make all arrangements for the carrying on of the duties of his office during his absence, and provided he can procure some gentleman to be approved by the Vice-Chancellor to act for him during his absence, signing all urgent letters on his behalf and attending in his room at all such meetings, whether of the Provisional Committee or Faculties, as may be held during his absence.

2. That the ordinary meeting in May shall be held in accordance with the general rule on Saturday the 30th May, but that the next meeting of the Provisional Committee shall be held on Saturday the 2nd May in lieu of on Saturday the 25th April, and this in order that the returns as made by the Board of Examiners appointed for conducting the Entrance Examination in April next, be duly ratified by the Syndicate with a view to their publication as required on the morning of Monday the 4th of May.

6. The Registrar exhibited his fee book and list of entries for the ensuing Entrance Examination shewing that there were 244 *bonâ fide* Candidates who had paid fees aggregating Rs. 1,220.

ORDERED :

That the fees aforesaid be paid by the Registrar into the general Treasury.

7. Read a letter from Dr. Wilson dated the 23rd March, 1857, communicating the results of the first pass examination of the Medical College as follows :—

1st Division in order of Merit.

1. E. Bensley.
2. J. Daly.
3. S. Mackertich.

4. Gopalchunder Dutt.
5. Khettermohun Mitter.
6. J. Vanderstraaten.

2nd Division arranged Alphabetically.

1. Anondchunder Mookerjee.
2. Beepinbeharry Bose.
3. Bhoobunmohun Mitter.
4. Neemchunder Goopto.
5. Rajkristo Ghosal.
6. Tarineychurn Dutt.

ORDERED TO BE RECORDED:

8. Read a letter from the Editor of the Government Gazette complaining of the labour entailed upon him by the translations of the University Notifications into Bengali, and enquiring whether the Syndicate deemed such translations to be indispensable.

ORDERED:

That the future translations into Bengali of the University Notifications be dispensed with, and that the Registrar do communicate such order to the Editor of the Government Gazette.

9. The necessity of procuring a common seal having again been alluded to, and the designs as furnished by Captain C. B. Young having been deemed of too elaborate a nature to admit of their producing a clear impression.

RESOLVED:

That Mr. Beadon be requested to procure from Messrs. Hamilton and Co. the design for a seal in which the arms of the Hon'ble East India Company should form a prominent feature.

10. It having been resolved that the Oorya language and Literature should be one of the subjects in which it might be

competent for students to pass whether for Entrance or for the Degree of B. A.

RESOLVED :

That the Registrar do communicate such resolution to Mr. Lacey, the Secretary to the Local Committee of Public Instruction at Cuttack, and do request him to suggest books fitted as well for the Entrance Examination in 1858 as for the B. A. Examinations in 1858 and 1859 respectively.

11. The consideration of the Bye-laws and Regulations was resumed, and after certain alterations had been made and the consideration of the subjects* spoken of at the top of page 22 of the printed Bye-laws and Regulations had been postponed to the next meeting of the Syndicate.

ORDERED :

That the Bye-laws and the Regulations as to Entrance and to Degrees in Arts be approved, and that progress be reported to the Senate, stating further that the Regulations as to the other Degrees, to wit, of Law, of Medicine and of Civil Engineering, are under the consideration of the several Faculties.

ORDERED :

That 50 copies of the Bye-laws and of so much of the Regulations as refer to Entrance and to Degrees in Arts be printed off, and circulated by the Registrar among the members of the Senate, and that of the Regulations which refer to the other Degrees, a number be printed off sufficient to supply each member of each Faculty with the regulations as to Degrees in his peculiar Faculty.

That the Registrar do write to the several Faculties requesting them to meet, and having elected their own Presidents to proceed finally to consider the Regulations

* In Latin, Greek and English, a limited range of subjects shall be selected by the Senate from approved classical authors.

in their own Faculty; and in his letter to the members of the Senate, state that it was proposed to hold a general meeting of the Senate on Saturday the 6th of June, for the purpose of considering and finally settling the said Bye-Laws and Regulations, and of transacting other necessary business.

The Vice-Chancellor laid before the meeting a letter from the Secretary to the Government of India, Home Department, intimating the appointment of Mr. W. D. Arnold, Director of Public Instruction in the Punjaub to be a member of the Senate.

Ordered to be recorded.

RESOLVED:

That in accordance with the Resolution in Para. 5 of these Minutes, the present meeting be adjourned to Saturday the 2nd May.

W. GRAPEL,
Registrar.

(Confirmed,)
J. W. COLVILE,
Vice-Chancellor.

MINUTES

OF

THE FACULTY OF LAW,

FOR THE YEAR 1857.

No. 1.

The 4th April.

Present :—

THE HON'BLE THE CHIEF JUSTICE,
THE HON'BLE B. PEACOCK,
MR. RITCHIE,
BABOO PROSONNO COOMAR TAGORE,
BABOO ROMAPERSAD ROY,
MOULOVI MAHOMMED WUJEEH.

1. The Vice-Chancellor laid before the Faculty, the Regulations touching the Examination of Candidates and the granting of Degrees in Law.

RESOLVED :

That such Regulations, as there settled, and hereto appended, be printed. That the Registrar do furnish each Member of the Faculty with a copy of the same, and that the said Regulations be forwarded to the Provisional Committee, with a view to their incorporation into the general scheme of bye-laws to be submitted to the Senate for consideration at the general meeting, to be held on Saturday the 6th June next.

W. GRAPEL, M. A.
Registrar.

(Confirmed)
J. W. COLVILE,
President of the Faculty.

APPENDIX A.

Calcutta University.

REGULATIONS AS TO DEGREES IN LAWS.

LAWS.

BACHELOR OF LAWS.

1. The Examination for the Degree of Bachelor of Laws shall take place once a year, shall commence on the first Monday in March and shall be held only in Calcutta.

2. No Candidate shall be admitted to the Examination for the Degree of B. L. until after the expiration of one academical year from the time of his obtaining the Degree of B. A. in one or other of the Indian or European Universities, and until he produce Certificates of his having attended Lectures in some School of Law recognized by the Senate for a period of three years in the whole.

3. Every Candidate must apply to the Registrar at least fourteen days before the Examination begins; and with his application must produce the Certificates aforesaid.

4. A fee of twenty-five Rupees shall be paid by each Candidate, and no Candidate shall be admitted to the Examination, unless he have previously paid this fee to the Registrar. If a Candidate fail to pass the Examination, the fee shall not be returned to him. He may be admitted to any one or more subsequent Examinations on payment of a like fee of twenty-five Rupees on each occasion.

5. The examination shall be conducted entirely by means of printed papers.

6. Candidates for the Degree of Bachelor of Laws shall be examined in the following subjects :—

I. The general Principles of Jurisprudence.

II. The several systems of Municipal Law which obtain in India, as they concern.

a.—Personal rights and status.

b.—The Rights of property, the modes of its acquisition, and herein the Law of Contracts and Successions, as well testamentary as *ab intestato.*

c.—The Sanctions of Law, and herein the general Principles of Procedure, the Law of Evidence, and the Criminal Law.

7. The Examinations of the Candidates shall extend over three days, and shall be held in the morning from 10 to 1½ and in the afternoon from 2 to 5½.

8. There shall be one paper on the general principles of Jurisprudence; one paper on personal rights and status, and the infringement of such rights; one paper on the rights of property, and the infringement of them, the modes of its acquisition, and the Law of Successions as well testamentary as *ab intestato;* one paper on the Law of Contracts; one paper on Procedure and the Law of Evidence, and one paper on the Criminal Law.

9. On the morning of the second Monday after the commencement of the Examination, the Examiners shall declare in alphabetical order, such of the Candidates as shall have passed.

EXAMINATION FOR HONORS.

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10. Any Candidate who has passed the Examination for the ordinary Degree of B. L., may be examined for Honors.

11. The Examination shall commence on the morning of the third Monday after the commencement of the Examination for the Degree of Bachelor of Laws, it shall extend over three

days, and shall be held in the morning from 10 to 1½ and in the afternoon from 2 to 5½.

12. The Examination shall be conducted entirely by means of written papers.

13. Candidates for Honors shall be examined in two or more of the following subjects to be selected by the Candidates.

a.—Hindoo and Mahomedan Law.

b.—Law of England as administered in the Supreme Courts.

c.—General Law as administered in the Courts of the E. I. Company.

d.—Mercantile Law.

e.—Roman Civil Law as contained in the Institutes and the conflict of laws.

f.—International Law.

14. A separate paper shall be set in each of the six subjects, and, in addition to the two subjects in which they must of necessity elect to be examined, Candidates shall be permitted to enter for all or for any number of the others.

15. In determining the relative position of Candidates, the Examiners shall have regard to the proficiency evinced by them at the B. L. Examination.

16. The Examiners shall publish, in the course of the ensuing week, lists of the Candidates who acquit themselves to the satisfaction of the Examiners, in the order of proficiency; but Candidates shall be bracketed together, unless the Examiners are of opinion that there is a clear difference between them.

MINUTES

OF

THE FACULTY OF CIVIL ENGINEERING.

FOR THE YEAR 1857.

No. 1.

The 8th April.

Present :—

THE HON'BLE GL. LOW, C. B.
MR. ALLEN,
COL. BAKER,
COL. GOODWYN.

RESOLVED :

That General Low be elected President of this Faculty.

The Registrar laid before the Faculty the Regulations touching the Examination of Candidates and the granting of Degrees in Civil Engineering.

RESOLVED :

That such Regulations as there settled and hereto appended be printed, that the Registrar do furnish each Member of the Faculty with a copy of the same, and that the said Regulations be forwarded to the Provisional Committee, with a view to their incorporation into the general Scheme of Bye-Laws, to be submitted to the Senate for consideration at the next general meeting, to be held on Saturday the 6th June next.

J. LOW,
President of the Faculty.

APPENDIX.

Calcutta University.

REGULATIONS AS TO DEGREES IN CIVIL ENGINEERING.

(As Finally Settled by the Faculty of Civil Engineering at a Meeting held on 8th April, 1857.)

CIVIL ENGINEERING.

MASTER OF CIVIL ENGINEERING.

1. The Examination for the Degree of Master of Civil Engineering shall take place once a year, shall commence on the first Monday in March, and shall be held only in Calcutta.

2. No Candidate shall be admitted to the Examination for the Degree of M. C. E. until after the expiration of one academical year from the time of his obtaining the Degree of B. A. in one or other of the Indian or European Universities, and until he produce Certificates of having passed four years in the study and practice of the profession, and that of such four years two have been passed in actual professional practice under an Engineer in charge of works.

3. Every Candidate must apply to the Registrar at least fourteen days before the Examination begins, and with his application must produce the Certificates aforesaid.

4. A fee of twenty-five Rupees shall be paid by each Candidate, and no Candidate shall be admitted to the Examination unless he have previously paid this fee to the Registrar. If a Candidate fail to pass the Examination, the fee shall not

be returned to him. He may be admitted to any one or more subsequent Examinations on payment of a like fee of twenty-five Rupees on each occasion.

5. The Examination shall be conducted chiefly by means of printed papers.

6. Candidates for the Degree of Master of Civil Engineering shall be examined in the following subjects :—

MATHEMATICS.

Spherical Trigonometry, as applied to Geodesy.

Composition and Resolution of Forces.

Equilibrium of Arches.

Strength and Stress of Material.

NATURAL PHILOSOPHY.

Steam, its power, properties, and various applications.

Fuel of various kinds, estimation of calorific power; Electricity, and the various appliances for making it economically useful.

Meteorology, Physical Geography,—especially of India.

Chemistry, as applicable to Cements, conditions and effects of fermentation, causes of decay, and preservatory processes.

Geology, Mineralogy.—The nature of soils and earths, the selection of building and road materials.

Botany,—vegetable products, timber, fibres, oils.

Theory of Rivers.

ARCHITECTURE.

The Classic orders and their parts, their application, principles of composition.

Styles—Peculiarities of different styles and their mode of adoption.

PRACTICAL SCIENCE.

Drawing in all its branches, geometrical, perspective and isometrical.

Hydrography.

Mechanism and Mill-work.

Animal power.

Various Mechanical Arts, *viz.* carpentry, building, smith-work, iron-foundry, and forging.

Preparation of material.

Brick-making.

Lime-burning.

Pottery.

Modelling.

Timber-cutting.

Artificial Foundations.

7. There shall be Eight Papers of questions, namely :—

Two Papers on Mathematics.

Two Papers on Natural Philosophy.

One Paper on Architecture.

Two Papers on Practical Science.

One General Paper on all the subjects of Examination.

8. The Examination of the Candidates shall extend over four days, and shall be held in the morning from 10 to 1½, and in the afternoon from 2 to 5½.

9. On the morning of the second Monday after the commencement of the Examination, the Examiners shall arrange in two divisions, each in alphabetical order, such of the Candidates as shall have passed.

EXAMINATION FOR HONORS.

10. Any Candidate who has been placed in the first of the two divisions, may be examined for Honors.

11. The Examination shall commence in the morning of the third Monday after the commencement of the ordinary Examination.

12. Candidates for Honors shall be examined in the same subjects as those for the ordinary Examination, but with a view to test their higher proficiency in them.

13. There shall be four papers of Questions, and the Examination shall extend over two days, being held in the morning from 10 to 1½, and in the afternoon from 2 to 5½.

14. On the morning of the second Monday after the commencement of the Examination, the Examiners shall arrange in three divisions, each in the order of merit, such of the Candidates as shall have passed.

MINUTES

OF

THE FACULTY OF MEDICINE.

FOR THE YEAR 1857.

No. 1.

The 9th April.

Present:

DR. A. GRANT,
DR. EATWELL,
DR. GOODEVE.

1. Resolved that Dr. A. Grant be elected President of this Faculty.

2. The Registrar laid before the Faculty the Regulations touching the Examination of Candidates and the granting of Degrees in Medicine.

RESOLVED:

That such Regulations as are settled and hereto appended be printed, that the Registrar do furnish each member of the Faculty with a copy of the same, and that the said Regulations be forwarded to the Provisional Committee, with a view to their incorporation with the general scheme of Bye-Laws, to be submitted to the Senate for consideration at the general meeting to be held on Saturday the 6th June next.

W. GRAPEL, M. A.
Registrar.

(Confirmed,)
A. GRANT,
President of the Faculty.

APPENDIX.

Calcutta University.

REGULATIONS AS TO DEGREES IN MEDICINE.

(As finally settled by the Faculty of Medicine at a Meeting held 9th April, 1857.*)*

MEDICINE.

LICENTIATE IN MEDICINE AND SURGERY.

1. Candidates for the Degree of Licentiate in Medicine and Surgery shall be required—

a. To have been engaged during five years in their professional studies at a School of Medicine.

b. To have passed the Entrance Examination of the Faculty of Arts in the University of Calcutta.

c. To pass two Examinations.

First Examination.

2. The first Examination shall take place once a year, shall commence in the third week of March, and shall be held only in Calcutta.

3. No Candidate shall be admitted to this Examination, unless he have produced Certificates to the following effect:—

a. Of having completed his eighteenth year.

b. Of having been engaged in Medical Studies for at least two academic years.

c. Of having attended Courses of Lectures on the following subjects :—

Descriptive and Surgical Anatomy,	Two Courses,	Each of at least	70	Lectures.
Chemistry, ...	Two Courses,	"	70	"
Botany, ...	One Course,	Of at least	40	"
Materia Medica, ...	One Course,	"	70	"
Physiology, ...	One Course,	"	70	"
Practical Chemical Exercises in testing the nature of ordinary poisons, and in examination of Animal Secretions and Urinary Deposits, ...	One Course.			

Practical Pharmacy, for at least three months, producing a Certificate of having acquired a practical knowledge of preparation and compounding of Medicines.

d. Of having dissected during two Winter Terms, and of having completed at least Twelve Dissections during each of those Terms.

4. These Certificates shall be transmitted to the Registrar at least fourteen days before the Examination begins.

5. A fee of five Rupees shall be paid by each Candidate, and no Candidate shall be admitted to the Examination, unless he have previously paid this fee to the Registrar. If a Candidate fail to pass the Examination, the fee shall not be returned to him. He may be admitted to any one or more subsequent Examinations on payment of a like fee of five Rupees on each occasion.

6. The Examination shall be written, oral, and practical.

7. Candidates shall be examined in the following subjects :—

Descriptive and Surgical Anatomy.
Chemistry.
Botany.
Materia Medica and Pharmacy.

Practical Chemistry, so far as regards the testing of the presence and nature of ordinary poisons, and the examination of Animal Secretions and Urinary Deposits.

8. The days and hours of the Examinations shall be publicly notified at least one fortnight before they are held.

9. At the end of one week from the day of the last Examination, the Examiners shall arrange the successful Candidates in two divisions, whereof the first shall be arranged in order of merit and the second in alphabetical order.

10. If, in the opinion of the Examiners, sufficient merit be evinced, the Candidate who shall distinguish himself the most in Descriptive and Surgical Anatomy, the Candidate who shall distinguish himself the most in Chemistry, the Candidate who shall distinguish himself the most in Materia Medica and Pharmaceutical Chemistry, and the Candidate who shall distinguish himself the most in Botany, shall each receive a Scholarship of sixteen Rupees a month for the next three years.

11. No single Candidate shall hold more than one Scholarship at the same time.

12. Under the same circumstances, the first and second Candidate, in each of the preceding subjects, shall each, as a Prize, receive a Microscope of the value of one hundred Rupees, or Books, to be approved by the Senate, of like value.

13. Under the same circumstances, the Candidate who shall distinguish himself the most in Structural and Physiological Botany shall receive a similar Prize.

Second Examination.

14. The Second Examination shall take place once a year, shall commence in the third week of March, and shall be held only in Calcutta.

15. No Candidate shall be admitted to this Examination within three years of the time of his passing the first Examination, nor unless he have produced Certificates to the following effect:—

a. Of having passed the first Examination.

b. Of having subsequently to having passed the first Examination, attended Lectures on—

Comparative Anatomy, ..	One Course,	Of at least	40	Lectures.
General Anatomy and Physiology, ...	One Course,	"	70	"
Medicine (including Hygiene and General Pathology), ...	Two Courses,	*Each of at least	70	"
Surgery, ...	Two Courses,	"	70	"
Diseases of the Eye, ..	One Course of six months	Of at least	20	"
Midwifery, ...	Two Courses,	Each of at least	70	"
Medical Jurisprudence, ..	One Course, ..	Of at least	50	"

c. Of having subsequently to having passed the first Examination dissected during one Winter Term, and of having performed operations on the dead subject during the other: the Certificate of the latter to state the number and nature of the operations so performed.

d. Of having conducted at least six Labors.

Certificates on this subject will be received from any legally qualified Practitioner in Medicine.

e. Of having attended Hospital Practice for a period of three years in the following manner, *viz.* :—

Three months of attendance at the Out-door Dispensary of a recognized Hospital or Hospitals.

Fifteen months of attendance at the Surgical Practice of a recognized Hospital or Hospitals, and Lectures on Clinical Surgery during such attendance.

Fifteen months of attendance at the Medical Practice of a recognized Hospital or Hospitals, and Lectures on Clinical Medicine during such attendance.

Three months of attendance at the practice of an Eye Infirmary.

f. The Candidate shall produce Reports of six Medical and of six Surgical Cases, drawn up and written by himself, during his period of service as Clinical Clerk and Dresser.

The said cases to be duly authenticated by the Professors attached to the Hospital.

g. The Candidate shall also produce a Certificate of general character and conduct from a Teacher, as far as the Teacher's opportunity of knowledge has extended.

16. These Certificates shall be transmitted to the Registrar at least fourteen days before the Examination begins.

17. The fee for this Examination shall be twenty-five Rupees. No Candidate shall be admitted unless he have previously paid this fee to the Registrar. If a Candidate fail to pass the Examination, the fee shall not be returned to him. He may be admitted to any one or more subsequent Examinations on payment of a like fee of twenty-five Rupees on each occasion.

18. The Examination shall be written, oral, and practical.

19. Candidates shall be examined in the following subjects:—

Physiology.

N. B.—The Papers in Physiology include questions in Comparative Anatomy.

General Pathology.

General Therapeutics.

Hygiene.

Surgery (including Diseases of the Eye.)

Medicine.

Midwifery,

Medical Jurisprudence.

20. The days and hours of the Examinations shall be publicly notified at least one fortnight before they are held.

21. The Practical (Clinical) Examination in Medicine and Surgery shall be conducted in the Wards of a Hospital by the Examiners of those Branches.

22. In Medicine and Surgery, each Candidate shall be required to examine, diagnose, and treat six cases of Acute or Chronic Diseases, to be selected by the Examiners; to draw up careful histories of those cases, and to perform and report in detail necroscopical examinations, should any of the selected cases end fatally. Should none so terminate, the *post-mortem* examination of any other cases that may have died in Hospital shall be performed and reported by the Candidates.

23. The Candidates shall in addition perform such of the

minor operations of Surgery as may be required in the Out-door Dispensary of the Hospital at the time of the Examination, and as the Examiners may select.

24. They shall also each perform three capital operations upon the dead subject, after detailing to the Examiners the pathological conditions in which such operations are necessary, the different modes of operation adopted, and their reasons for preferring any particular mode of procedure.

25. They shall also apply apparatus for great surgical injuries, and explain the objects to be attained by them, as well as the best manner of effecting those objects.

26. They shall also, in the Medical Wards, examine morbid products chemically and by the aid of the Microscope, in the presence of the Examiners, demonstrating the results obtained.

27. On Monday, in the week following the conclusion of the Clinical Examination, the Examiners shall arrange in two divisions, each in alphabetical order, such of the Candidates as have passed, and a Certificate, under the Seal of the University and signed by the Chancellor, shall be delivered to each Candidate.

28. Such Candidates only as, in the opinion of the Examiners, are admissible to the Examination for Honors, shall be placed in the first division.

EXAMINATION FOR HONORS.

29. Any Candidate, who has been placed in the first division at the Second Examination, may be examined for Honors in any or all of the following subjects :—

Physiology and Comparative Anatomy.

Candidates may illustrate their answers by sketching the parts they describe.

Surgery.

Medicine.

Midwifery.

Medical Jurisprudence.

30. The Examination shall take place in the week following the completion of the Second Examination. They shall be conducted by means of printed papers and practical tests, and Examiners shall not be precluded from putting *vivâ voce* questions upon the written answers of the Candidates, when they appear to require explanation.

31. The Examinations shall be conducted in such order as will be made known annually by the Senate of the University.

32. In determining the relative position of the Candidates, the Examiners shall have regard to the proficiency evinced by the Candidates in the same subjects, at the Pass Examination.

33. Candidates who pass the Examination and acquit themselves to the satisfaction of the Examiners, shall be arranged according to the several subjects, and according to their proficiency in each; and Candidates shall be bracketed together, unless the Examiners are of opinion that there is a clear difference between them.

34. If, in the opinion of the Examiners, sufficient merit be evinced, the Candidate who shall distinguish himself the most in Physiology and Comparative Anatomy, the Candidate who shall distinguish himself the most in Surgery, and the Candidate who shall distinguish himself the most in Medicine, shall each receive a Scholarship of forty Rupees per mensem for the next two years, with the style of University Medical Scholar. Only one such Scholarship shall be tenable by the same Candidate.

35. Under the same circumstances, the first and second Candidates in Physiology and Medicine shall each receive a Microscope of the value of one hundred Rupees. In the event of the successful Candidate having obtained a prize Microscope at the First Honor Examination, he shall obtain a Prize of Books of the same value.

36. The first Candidate in Surgery shall receive a Prize of Surgical Instruments to the value of one hundred Rupees.

37. Under the same circumstances, the Candidate who shall

distinguish himself the most in Midwifery shall receive a case of Midwifery Instruments, and the Candidate who shall stand first in Medical Jurisprudence shall receive a Toxicological Cabinet of the value of one hundred Rupees.

DOCTOR OF MEDICINE.

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38. The Examination for the Degree of Doctor of Medicine shall take place once a year and commence on the first Monday in December.

39. No Candidate shall be admitted to this Examination unless he have produced Certificates to the following effect :—

a. Of having attained the Degree of Bachelor of Arts in this or any other University ; of having been engaged two years in the study or practice of his profession, subsequent to his having taken the Degree of Licentiate in Medicine and Surgery in this University, or a Degree in Medicine or in Surgery at a University, the Degrees granted by which are recognized by the Senate of this University.

b. Of moral character, signed by two persons of respectability.

40. Candidate shall be examined in the following subjects :—

Medicine, including Practice of Physic, Surgery, and Midwifery.

41. The Examinations shall be conducted by means of printed papers and *vivâ voce* interrogations.

42. The Examinations shall be conducted in such order as will be made known annually by the Senate of the University.

43. On Monday morning in the following week the Examiners shall arrange in two divisions, each in alphabetical order, such of the Candidates as shall have passed, and a Certificate under the Seal of the University and signed by the Chancellor shall be delivered to each Candidate.

MINUTES

OF

THE PROVISIONAL COMMITTEE.

FOR THE YEAR 1857.

No. 7.

The 2nd May.

Present :—

THE VICE-CHANCELLOR,
MR. BEADON,
REV. J. MULLENS,
DR. GRANT,
BABOO RAMAPERSAD ROY.

1. Read a letter from the Board of Examiners for the Entrance Examination dated the 30th April, 1857, forwarding list of passed Candidates arranged in two Divisions, the first containing those who have gained one half or more of the numbers assigned to the various subjects, the second those who have gained the minimum of one-fourth of the marks and less than one-half and stating that there were 244 Candidates and of these 15 were absent during the whole or part of the Examinations

67 Failed,
47 are in the second division.
115 are in the first division.

Total..... 244

ORDERED :

That the list of passed Candidates furnished by the Examiners be published in the English and Bengali Government Gazettes.

2. Read a letter from Mr. Young, Director of Public Instruction Bengal, No. 111 dated the 26th March, 1857, requesting that the undermentioned colleges may be affiliated to the University.

Presidency College—General Department and Law Department.
Calcutta Medical College.
Calcutta Civil Engineering College.
Hooghly College.
Dacca College.
Kishnaghur College.
Berhampore College.

Read also a similar application with the requisite statements from the Serampore College.

Ordered to be affiliated.

3. Read a letter from Mr. Chapman, Officiating Secretary to the Government of India, No. 654, dated the 2nd April intimating that Drs. E. Goodeve and W. C. B. Eatwell have been appointed members of the University Senate.

Read also a letter from the same authority, No. 776, dated the 17th Instant, communicating the appointment of Lt. E. C. S. Williams, Principal of the Civil Engineering College, and Mr. George Turnbull, Chief Engineer of the East India Railway Company as Members of the Senate.

ORDERED :

To be recorded, and that the names of Drs. Goodeve and Eatwell be added to the Faculty of Medicine, and those of Lt. Williams and Mr. G. Turnbull be added to the Faculty of Civil Engineering.

4. Read a letter from Mr. E. C. Bensley the first student in the order of merit in the First Examination in Medicine, recently

held, dated 1st April, 1857, submitting his claim under Rules 10, 11 and 12, of the Faculty of Medicine to the scholarships of 16 Rupees per mensem allowed by Rule 10 and to 4 prizes whereof one may be a Microscope and the others books of the value of 100 Rupees for each Prize under Rule 13, he being the first in the two branches, viz. Descriptive and Surgical Anatomy, and Materia Medica, and the second in two other subjects, viz. Physiology and Chemistry.

Read also a letter from the Principal of the Medical College stating that of the 12 passed students, the 10 who were named as prizemen had evinced sufficient merit to entitle them to the rewards referred to in the said paragraphs.

ORDERED:

That according to Rule as already passed and sanctioned, Mr. Bensley is not entitled to more than one prize in addition to a Scholarship.

5. The Registrar submits the Regulations touching the Examination of Candidates and the granting of Degrees as settled by the Faculties of Law, Medicine, and Civil Engineering with a request from those Faculties, that the same be incorporated into the general scheme of Bye-Laws to be submitted to the Senate for consideration at their general meeting to be held on the 6th June next.

ORDERED:

That the Regulations as passed by the different Faculties be adopted, subject to the following observations with regard to certain of the rules proposed by the Faculty of Medicine:

The Committee would propose to the Senate to modify Rules 11 and 34 as follows:

For the whole of the Rule 11 and of the last sentence of Rule 34 they would substitute the following words.

"No Candidate shall receive more than one such scholarship, and if any Candidate shall be the most distinguished

in more than one of the abovementioned subjects, the Examiners may award a like Scholarship to the Candidate who shall have passed the second best Examination in any such subject."

The Committee would also propose the omission of Rules 12, 13, 35, 36 and 37. It appears to them that these Prizes are not required for University Examination, and that if given at all, they will be better given as heretofore by the particular College or school to which the students belong.

6. Read a letter from Mr. H. S. Reid, Director of Public Instruction, N. W. Provinces No. 1581 dated the 16th April, 1857 forwarding the names of the undermentioned books in Hindee for the B. A. Examination in 1858 and 1859.

Urdu.

Bagh-o-bahar.
Davani Souda. (Kaseedah's.)

Hindee.

Tulsee Kirt Ramayan. (The Balkhand, and Ajyadhya Khand.)
Subhabilas.

Ordered to be adopted, and that it be published in the Government Gazette.

7. With reference to the proceedings No. 7, dated the 28th March, 1857, Para. 9, the Registrar submits to the meeting the design for a common seal procured by Mr. Beadon from Messrs. Hamilton and Co.

Ordered to have the seal engraved, making it somewhat smaller in Diameter.

8. The Registrar submits a Bill for printing charges amounting to Rupees 114-11 and contingent charges for Rupees 51-12 or in aggregate Rupees 166-7.

PASSED.

9. The Registrar reports that the Quarterly Account Current of the University ending 31st March, 1857, has been forwarded to the Accountant General in which are set forth the following particulars.

RECEIPTS.

From Fees from 244 Candidates at the Entrance at 5 Rs. each,	1220	0	0
From Government,	59	9	4
Total, Rs.	1279	9	4

DISBURSEMENTS.

Establishment,	1057	7	7
Contingencies,	222	1	9
Total, Rs.	1279	9	4

Ordered to be recorded.

JAMES W. COLVILE,
Vice-Chancellor.

MINUTES

OF

THE PROVISIONAL COMMITTEE.

FOR THE YEAR 1857.

No. 8.

The 30th May.

Present :—

THE VICE-CHANCELLOR,
COL. BAKER,
DR. GRANT.

1. Read a letter from Mr. W. D. Arnold, Director of Public Instruction, Punjab, No. 1033, dated 16th April last, asking whether any decision has been come to with regard to the admission of proxies on behalf of absent Members to vote at the general meeting of the Senate on the 6th Proximo.

RESOLVED :

That Mr. Arnold be informed, that the Committee have not made any provision on the subject, and do not think it will be expedient to admit the principle of voting by proxy even to the extent suggested in Mr. Arnold's letter.

W. GRAPEL,
Registrar.

(Confirmed,)

J. W. COLVILE,
Vice-Chancellor.

MINUTES

OF

THE SENATE.

FOR THE YEAR 1857.

No. 2.

The 6th June.

Present :—

THE VICE-CHANCELLOR, IN THE CHAIR.
THE HON'BLE B. PEACOCK.
C. B. TREVOR, ESQ.
PRINCE GHOLAM MAHOMMED.
F. J. MOUAT, ESQ., M. D.
REV. W. KAY, D. D.
A. GRANT, ESQ., M. D.
H. WOODROW, ESQ., M. A.
L. CLINT, ESQ.
REV. J. OGILVIE, M. A.
REV. J. MULLENS, B. A.
MOULVIE MAHOMMED WUJEEH.
E. GOODEVE, ESQ., M. D.
W. C. B. EATWELL, ESQ., M. D.
CAPT. E. C. S. WILLIAMS.

The Vice-Chancellor laid before the Meeting the Series of Bye-Laws for the government of the University and of Regulations touching the Examination of Candidates and the granting of Degrees in the several Faculties of Arts, of Law,

of Medicine, and of Civil Engineering, as drawn up and settled by the Provisional Committee appointed by the Senate in communication with the several Faculties.

RESOLVED:

1.—As to the Bye-Laws, that they be adopted as printed, with the exception only of the following alteration, *viz.*, that in line 7, page 7, for the words "to regulate Examinations," there be substituted the words "to order Examinations in conformity with the Regulations."

2.—As to the Regulations in Arts, that the following changes be adopted, *viz.*, that in line 6, page 14, for the words "either of the languages," there be substituted the words "any living language;" that in Section 4, page 15, for the first word "Every," there be read "Any;" and for the word "shall" in the 3rd line of such Section, be read "may."

It was then resolved, that the said Regulations in Arts be adopted, subject to such alterations as aforesaid, and subject also to a reference to the Faculty of Arts as to the three following points, and as to such alone:—

a. As to the expediency of altering, or otherwise more clearly defining, the meaning of the words "competent knowledge," in line 23, page 20, of the said Regulations; and as included therein, the standard required for an ordinary Degree.

b. As to the omission from the Greek subjects, set forth in page 16, of Sophocles, Thucydides, Demosthenes, and Plato; and from the Latin subjects, in the like page, of Tacitus.

c. As to whether the "Solid Geometry" in line 6 of page 23 might not with advantage be treated as well analytically as geometrically.

3.—As to the Regulations in Law, it was resolved that they be adopted in their present form.

4.—As to the Regulations in Medicine, it was resolved that they be referred to the Faculty of Medicine for Report.

5.—As to the Regulations in Civil Engineering, it was also resolved, that they be referred to the Faculty of Civil Engineering for Report, and that the Faculty be requested, at its Meeting, to take into consideration the amendments and alterations proposed by Mr. Oldham, in his letter of 20th April, 1857.

6.—It was finally resolved, that the Provisional Committee be continued for the carrying on of the current business of the University; that the Faculties of Arts, of Medicine, and of Civil Engineering be requested to report on the several matters referred to them for consideration, at their earliest possible convenience; and that the Registrar, so soon as he shall have received the Reports of such Faculties, shall lay the same before the Vice-Chancellor, who shall thereupon convene a General Meeting of the Senate for the final settlement of the Rules and Regulations.

W. GRAPEL, M. A.,
Registrar.

(Confirmed)
JAMES W. COLVILE,
Vice-Chancellor.

MINUTES

OF

THE FACULTY OF CIVIL ENGINEERING.

FOR THE YEAR 1857.

No. 2.

The 11th June.

Present :—

THE HON'BLE GENERAL LOW, K. C. B.
COL. BAKER,
MR. TURNBULL.

1. The Registrar laid before the Meeting a communication from Mr. Oldham, a member of the Faculty, suggesting that certain alterations should be made in the Regulations as to Degrees in Civil Engineering, as settled at the Meeting of the Faculty held on Wednesday the 8th of April, 1857.

RESOLVED :

That the suggestions as to an alteration in the amount of fee and as to the reduction of the hours of Examination be rejected ; but that the additions proposed to the subjects of Examination be in part admitted ; that the Regulations be finally settled, as appended, and that the Registrar do cause a sufficient number of the same to be printed in the amended form and circulated.

W. GRAPEL, M. A.,
Registrar.

(Confirmed)
J. LOW,
President of the Faculty.

APPENDIX.

Calcutta University.

REGULATIONS AS TO DEGREES IN CIVIL ENGINEERING.

CIVIL ENGINEERING.

MASTER OF CIVIL ENGINEERING.

1. The Examination for the Degree of Master of Civil Engineering shall take place once a year, shall commence on the first Monday in March, and shall be held only in Calcutta.

2. No Candidate shall be admitted to the Examination for the Degree of M. C. E. until after the expiration of one academical year from the time of his obtaining the Degree of B. A. in one or other of the Indian or European Universities, and until he produce Certificates of having passed four years in the study and practice of the profession, and that of such four years two have been passed in actual professional practice under an Engineer in charge of works.

3. Every Candidate must apply to the Registrar at least fourteen days before the Examination begins, and with his application must produce the Certificates aforesaid.

4. A fee of twenty-five Rupees shall be paid by each Candidate, and no Candidate shall be admitted to the Examination unless he have previously paid this fee to the Registrar. If a Candidate fail to pass the Examination, the fee shall not be returned to him. He may be admitted to any one or more subsequent Examinations on payment of a like fee of twenty-five Rupees on each occasion.

5. The Examination shall be conducted chiefly by means of printed papers.

6. Candidates for the Degree of Master of Civil Engineering shall be examined in the following subjects :—

MATHEMATICS.

Spherical Trigonometry, as applied to Geodesy.

Composition and Resolution of Forces.

Equilibrium of Arches.

Strength and Stress of Material.

NATURAL PHILOSOPHY.

Steam, its power, properties, and various applications.

Fuel of various kinds, estimation of calorific power; Electricity, and the various appliances for making it economically useful.

Meteorology, Physical Geography—especially of India.

Chemistry, as applicable to Cements and other materials; conditions and effects of fermentation, causes of decay, and preservatory processes.

Geology, Mineralogy—The nature of soils and earths, the selection of building and road materials, influence of Geological structure on drainage, on cuttings, on embankments, &c.

Botany—vegetable products, timber, fibres, oils.

Hydrodynamics and Theory of Rivers.

ARCHITECTURE.

The Classic orders and their parts, their application, principles of composition.

Styles.—Peculiarities of different styles and the principles which regulate their adoption.

PRACTICAL SCIENCE.

Drawing in all its branches, geometrical, perspective and isometrical.

Hydrography.

Machinery and Mill-work.

Animal power.

Various Mechanical Arts, *viz.* carpentry, building, smith-work, iron founding, and forging.

Preparation of material.

Brick-making.

Lime-burning.

Pottery.

Modelling.
Timber-cutting.
Artificial Foundations.
Specifications, Contracts, &c.

7. There shall be Eight Papers of questions, namely :—

Two Papers on Mathematics.
Two Papers on Natural Philosophy.
One Paper on Architecture.
Two Papers on Practical Science.

One General Paper on all the subjects of Examination.

8. The Examination of the Candidates shall extend over four days, and shall be held in the morning from 10 to 1½, and in the afternoon from 2 to 5½.

9. On the morning of the second Monday after the commencement of the Examination, the Examiners shall arrange in two divisions, each in alphabetical order, such of the Candidates as shall have passed.

EXAMINATION FOR HONORS.

10. Any Candidate who has been placed in the first of the two divisions, may be examined for Honors.

11. The Examination shall commence in the morning of the third Monday after the commencement of the ordinary Examination.

12. Candidates for Honors shall be examined in the same subjects as those for the ordinary Examination, but with a view to test their higher proficiency in them.

13. There shall be four papers of Questions, and the Examination shall extend over two days, being held in the morning from 10 to 1½, and in the afternoon from 2 to 5½.

14. On the morning of the second Monday after the commencement of the Examination, the Examiners shall arrange in three divisions, each in the order of merit, such of the Candidates as shall have passed.

MINUTES

OF

THE PROVISIONAL COMMITTEE,

FOR THE YEAR 1857.

No. 9.

The 27th June.

Present :—

THE VICE-CHANCELLOR,
DR. A. GRANT,
COL. BAKER.

1. With reference to Minutes dated 28th March, 1857, Para. 10, read a letter from the Secretary to the Local Committee of Public Instruction, Cuttack, No. 6, dated the 28th May, 1857, intimating that Bishnu Surma's Hitopadesh translated into Oorya has been selected as a Text-Book for the Entrance and Degree Examination for 1858 in the Oorya language.

Ordered to be adopted, and published in the Government Gazettes.

W. GRAPEL,
Registrar.

(Confirmed)
JAMES W. COLVILE,
Vice-Chancellor.

MINUTES

OF

THE PROVISIONAL COMMITTEE.

FOR THE YEAR 1857.

No. 10.

The 25th July.

Present :—

THE VICE-CHANCELLOR,
MR. BEADON,
MR. W. GORDON YOUNG,
DR. A. GRANT,
REV. J. MULLENS.

1. The Registrar reports that he has received a Package from the East India House through the Secretary to the Government of India in the Home Department enclosing the Minutes of the Senate of the London University from its commencement in March 1847 down to July 1858, contained in twelve 8vo. volumes, and three copies of the London University calendar for 1857, together with certain sheet forms.

Ordered to be recorded.

2. Read a letter from the Director of Public Instruction, Bengal, No. 688, dated 8th July, 1857, intimating that he infers from the Regulations as to Degrees in Law, that it is intended to hold the first Examination for the Degree of B. L. in March 1858, and asking if this inference is correct.

The Registrar reports that he has written to the Director of Public Instruction to state that the Regulations in Law as at present settled by the Faculty and sanctioned by the Senate which provide for annual Examinations in Law to be held on the 1st Monday in March in every year, do clearly intend that the first of such Examinations should take place in March 1858, but that such Regulations can have no binding force until they shall have received the authority and confirmation of Government.

Ordered to be recorded.

2. The Registrar submits two Bills for printing and Contingent charges amounting to Rupees 684-13-9 as follows :—

For Advertisements and printing charges, ...	598	14	0
For the purchase of an almirah and other contingent charges, ...	85	15	9
	684	13	9

PASSED.

3. The Registrar submits the Quarterly Account-Current, for the Quarter ending 30th June, 1857, shewing the following particulars :

RECEIPTS.

From Government, ... Rs.	3496	14	1

DISBURSEMENTS :

Salaries,...	1086	0	0
Contingencies, ...	851	4	9
Remuneration to Examiners at the late Entrance Examination,..	1500	0	0
	3496	14	1

4. On the motion of the Director of Public Instruction,

ORDERED.

That the list of Colleges and Schools which are now, or which hereafter may be connected by affiliation with the University, be published in the Government Gazettes, English and Bengali.

W. GRAPEL, M. A.

Registrar.

(Confirmed)

JAMES W. COLVILE,

Vice-Chancellor.

MINUTES

OF

THE FACULTY OF ARTS.

FOR THE YEAR 1857.

No. 1.

The 1st August.

Present :—

THE REV. DR. DUFF, D. D., LL. D.
DR. KAY, D. D.
REV. J. OGILVIE, M. A.
MR. WOODROW, M. A.
PRINCE GOLAM MOHAMMED,
PUNDIT ESHWARCHUNDER BIDYASAGUR.

1. On the motion of Dr. Kay.

RESOLVED UNANIMOUSLY :

That Dr. Duff be elected as President of the Faculty.

2. On the motion of Dr. Kay.

RESOLVED UNANIMOUSLY :

That in Para. 9 of the Regulations in Arts after the words "each of the abovementioned branches of Examination" there be inserted the words "and exhibit a special acquaintance with the subjects which are printed in Italics."

3. RESOLVED UNANIMOUSLY:

That the several works as well in Greek as in Latin which are mentioned in the appended Regulations as subjects which may be selected for the Examination of Candidates for the Degree of B. A. be retained.

4. On the motion of Mr. Woodrow.

RESOLVED UNANIMOUSLY:

That to the words "Solid Geometry treated geometrically" in 6, page 23 of the said Regulations, there be added the words "and analytically."

5. RESOLVED:

That the Registrar do cause to be printed a sufficient number of the Regulations, as thus amended, and do circulate the same to the Members of the Faculty and to the Senate for confirmation.

W. GRAPEL, M. A.
Registrar.

(Confirmed)
ALEXANDER DUFF, D. D., LL. D.
President of the Faculty.

APPENDIX.

Calcutta University.

II. REGULATIONS IN ARTS.

Finally amended by the Faculty at its Meeting held on Saturday, the 1st of August, 1857.

ENTRANCE EXAMINATION.

1. The Entrance Examination shall take place once a year, and shall commence on the first Monday in March.

2. The chief Examination will be held in Calcutta, but Candidates may be examined at any of the under-mentioned places, *viz.*, Berhampore, Kishnagur, Dacca, Chittagong, Cuttack Bhaugulpore, Patna, Benares, Agra, Delhi, Bareilly, Ajmere, Lahore, and any other places hereinafter to be appointed by the *Syndicate.*

3. No Candidate shall be admitted to the Entrance Examination, unless he shall have completed his sixteenth year, but any one above the age of sixteen, may be a Candidate wherever he may have been educated.

4. Every Candidate must apply, either to the Registrar at least fourteen days, or to the Secretary to the Local Committee of Public Instruction at any of the places above-mentioned, at least two months before the Examination begins, and, with his application, must produce satisfactory testimony that he is at least sixteen years old and of good moral character. He must also give notice in writing of the languages in which he wishes to be examined.

5. A fee of five Rupees shall be paid by each Candidate, and no Candidate shall be examined unless he have previously paid this fee, either to the Registrar, or to the Secretary to the Local Committee at one of the above-mentioned places. If a Candidate fail to pass the Examination, the fee shall not be returned to him. He may be admitted to any one or more subsequent Entrance Examinations on payment of a like fee of five Rupees on each occasion.

6. The Examination shall be conducted by means of printed papers, which shall be the same for all places in the interior as for Calcutta, and the papers in Languages shall contain questions to be asked and answered, and sentences to be read and explained, orally.

7. Candidates for Entrance shall be examined in the following subjects :—

I. LANGUAGES.

Two of the following Languages, of which English must be one, *viz.* :—

English.

Greek.	Hebrew.	Hindi.
Latin.	Sanskrit.	Urdu.
Arabic.	Bengali.	Burmese.
Persian.	Oorya.	

Candidates shall be examined in each of the Languages in both Prose and Poetry, the subjects being selected by the Senate at least one year and a half previous to the Examination, from any approved classical or standard works or authors, such as the following :—

ENGLISH.

Pope, Cowper, Scott, Campbell, Addison, Johnson, Goldsmith, Southey, DeFoe.

GREEK.

Homer, Xenophon.

LATIN.

Horace, Virgil, Sallust, Cæsar, Livy, Cicero.

HEBREW.

Book of Genesis.

ARABIC.

Alif Lailah, Nafhat-al-Yaman.

PERSIAN.

Gulistan, Bostan, Yusuf-o-Zulaikha, Akhlah-i-Muhsini, Anvari Suhaoili.

SANSKRIT.

Raghuvansha, Kumaru Sambhava.

BENGALI.

Tota Itihas, Life of Raja Krisna Chunder Roy, Arabian Nights, Ramayan.

OORYA.

HINDI.

The Ramayan.

URDU.

Bagh-o-Bahar and Gul-i-Bakawali.

The papers in each Language shall include Questions on Grammar and Idiom.

Easy sentences in each of the Languages in which the Candidate is examined shall be given for translation into the other Languages.

II. HISTORY AND GEOGRAPHY.

The outlines of General History as contained in Marshman's Brief Survey or other similar works, and the outlines of Indian History as contained in Murray's History of India or other similar works.

A general knowledge of Geography, and a more detailed knowledge of the Geography of India.

III. MATHEMATICS AND NATURAL PHILOSOPHY.

Arithmetic and Algebra.

The ordinary Rules of Arithmetic, Vulgar and Decimal Fractions, Extraction of the Square-root.

Addition, Subtraction, Multiplication, and Division of Algebraical Quantities.

Proportion.

Simple Equations.

Geometry.

The first three Books of Euclid.

Mechanics.*

Composition and Resolution of Forces.

The simple Mechanical Powers, with the ratio of Power to Weight in each.

Centre of Gravity.

IV. NATURAL HISTORY.

A general knowledge of the habits and characteristics of Vertebrated Animals, as described in Patterson's Zoology or in any similar work.

General Economy of Vegetation and simple or elementary organs of plants, as contained in the first 46 Sections of "Vegetable Physiology" in Chambers's Course, or in any other similar work.

In Branches II., III., and IV., the answers may be given in either of the Languages in which the Candidate is examined.

8. The Examinations of the Candidates shall extend over five days, and shall be held in the morning from 10 to 1½, and in the afternoon from 2 to 5½, except only on the day devoted to the Oral Examination, when it shall commence at 10 A. M., and continue until all the Candidates shall have been examined.

* Only a popular knowledge of Mechanics will be required.

9. At the close of each day's Examination, at any place in the interior above-mentioned, the answers of each Candidate shall be sealed up by the Secretary to the Local Committee of public Instruction, and forwarded immediately to the Registrar.

10. Candidates will not be approved by the Examiners, unless they show a competent knowledge of all the subjects in which they are examined.

11. On the morning of the fourth Monday after the Examination, the Syndicate shall publish a list of such Candidates as have passed, arranged by the Examiners in two divisions, each in aphabetical order, such of the Candidates as have passed, and to every such passed Candidate shall be given a Certificate signed by the Registrar, setting forth his age, and the division assigned him by the Examiners, such Certificate being in the form following, *viz.* :—

CALCUTTA UNIVERSITY.

Entrance Examination—185

I certify that who was a Candidate at the late Entrance Examination of the Calcutta University, and who then produced a Certificate that he had attained the age of 16 *years and was of good moral character, has been declared by the Board of Examiners to have passed such Examination, and has been placed in the Division.*

The Calcutta University, of 185 . } *Registrar.*

BACHELOR OF ARTS.

1. The Examination for the Degree of Bachelor of Arts shall take place once a year, shall commence on the first Monday in April, and shall be held only in Calcutta.

2. The Degree of B. A. shall not be conferred on any Can-

didate within four academical years of the time of his passing the Entrance Examination, but Candidates may be admitted to the Examination for the Degree after three years from the time of their passing the Entrance Examination.

3. No Candidate shall be admitted to this Examination unless he produce satisfactory testimonials from the authorities of one of the Colleges or Schools affiliated to the University, (1) of moral character, and (2) of having prosecuted, during the period that has elapsed since his passing the Entrance Examination a course of study in one of such Institutions.

4. Every person who has passed the Entrance Examination, at either of the Universities of Madras or Bombay shall be admitted to the Examination for the Degree of B. A. in the Calcutta University, provided he shall produce satisfactory testimony that he is of good moral character, and that he has prosecuted during the period that has elapsed since his passing the Entrance Examination, a regular course of study in one of the Institutions affiliated to either of those Universities.

5. Applications must be made, and Certificates forwarded to the Registrar, at least fourteen days before the Examination begins. Notice in writing must also be given by the Candidates, of the Languages in which they wish to be examined.

6. A fee of twenty-five Rupees shall be paid by each Candidate. No Candidate shall be admitted to the Examination unless he have previously paid this fee to the Registrar. If a Candidate fail to pass the Examination, the fee shall not be returned to him. He may be admitted to any one or more subsequent Examinations on payment of a like fee of twenty-five Rupees on each occasion.

7. The Examination shall be conducted chiefly by means of printed papers, but the Examiners may also put *vivâ voce* questions to any Candidate in the subjects in which they are severally appointed to examine.

8. Candidates for the Degree of B. A. shall be examined in the following subjects:—

I. LANGUAGES.

Two of the following Languages, of which English must be one :—

English.

Greek.	Persian.	Hindi.
Latin.	Sanskrit.	Urdu.
Hebrew.	Bengali.	Burmese.
Arabic.	Oorya.	

Candidates shall be examined in each of the Languages in both Prose and Poetry, the subjects being selected by the Senate two years previous to the Examination, from any approved classical or standard works or authors, such as the following :—

English.

Milton, Shakespeare, Dryden, Pope, Young, Thomson.

Bacon, Swift, Addison, Johnson, Goldsmith, Burke, Southey, Macaulay.

Greek.

Homer, Sophocles, Euripides, Herodotus, Thucydides, Xenophon, Demosthenes, Plato.

Latin.

Virgil, Horace, Cæsar, Cicero, Livy, Tacitus.

Hebrew.

Arabic.

Alif Lailah, Nafhat-al-Yaman, Ikhwan-al-Safa, Soyuti's Tarikh-al-Kholfa, Tarikh Yamini.

Persian.

Sekandar Nameh, Gulistan, Dewan of Hafiz, Akhlaq-i- Jalali (or Nasiri,) Dewan of Orfi, Abu-al-Fazl's Letters.

Sanskrit.

Raghuvansa, Kumaru Sambhava, Kiratarjuniya, Viracharita, Uttaracharita, Mudrarakshasa.

BENGALI.

Batrish Singhasan, Purush Parikhya, Betal Panchabingshati, Probodh Chandrika, Mahabharat, Ramayan, Meghaduta, Sakantala, Annada Mangal.

OORYA.

HINDI.

URDU.

BURMESE.

The papers in each Language shall include Questions on Grammar and Idiom.*

Sentences in each of the Languages in which the Candidate is examined shall be given for translation into the other Language.

II. HISTORY.

The principles of historic evidence, as treated in Isaac Taylor's two works on the subject, or other similar books.

The history of England (including that of British India,) to the end of 1815.

Elphinstone's History of India.

Ancient History, with special reference to the History of Greece to the death of Alexander, the history of Rome to the death of Agustus, and the History of the Jews.

The Historical Questions will include the Geography of the Countries to which they refer.

III. MATHEMATICS AND NATURAL PHILOSOPHY.

ARITHMETIC AND ALGEBRA.

The ordinary Rules of Arithmetic.

Vulgar and Decimal Fractions.

Extraction of the Square-root.

* For Sanskrit, instead of the older Grammars, such works as Ishwar Chandra Sharma's two Grammars, or that of Mr. William's; and for Bengali, Rammohun Roy's, Dr. Yates's, or Shamachurn Sirkar's Grammar, will be used in the Examination.

Addition, Subtraction, Multiplication, and division of Algebraical Quantities.

Simple and Quadratic Equations, and questions producing them.

Algebraical Proportion and Variation.

Permutations and Combinations.

Arithmetical and Geometrical Progression.

Binomial Theorem.

Simple and Compound Interest, Discount, and Annuities for terms of years.

The nature and use of Logarithms.

GEOMETRY.

The first six books of Euclid, and the eleventh book to Prop. XXI., with deductions.

Conic Sections.

PLANE TRIGONOMETRY.

Solution of all cases of Plane Triangles. The expression for the Area of a Triangle in terms of its sides.

MECHANICS.

Composition and Resolution of Forces.

The Mechanical powers.

The Centre of gravity.

The general laws of Motion.

The motion of falling bodies in free space and down inclined planes.

HYDROSTATICS, HYDRAULICS, AND PNEUMATICS.

Pressure of liquids and gases, its equal diffusion and variation as the depth.

Specific Gravity.

Description, and explanation of the barometer, siphon, common-pump, forcing-pump, air-pump, and steam-engine.

OPTICS.

Laws of Reflection and Refraction.

Formation of images by simple lenses.

Astronomy.

Elementary knowledge of the Solar System, including the phenomena of Eclipses.

IV. PHYSICAL SCIENCES.

Chemistry.

The Atmosphere, its general nature and condition; its component parts—Oxygen and Nitrogen; their properties, water and carbonic acid; proportion of these substances in the air.

Chlorine and Iodine, as compared with Oxygen.

Water: its general relation to the atmosphere and earth: its natural states and relative purity; sea water, river water, spring water, rain water, pure water; effects of heat and cold on it; its compound nature: its elements.

Hydrogen; its nature and proportion in water; its presence in most ordinary fuels; its product when burnt.

Sulphur; phosphorus, and carbon, generally.

Nitric acid, sulphuric acid, carbonic acid; their elements. Hydrochloric or muriatic acid.

Alkalies, earths, oxydes, generally.

Salts; their nature generally; sulphates; nitrates; carbonates.

Metals generally; iron, copper, lead, tin, zinc, gold, silver, platinum, mercury.

Powers of matter; aggregation; crystallization; chemical affinity; definite equivalents.

Combustion; flame; nature of ordinary fuel; chief results of combustion, *i. e.* the bodies produced.

Heat; natural and artificial sources; its effects; expansion; solids; liquids, gases, thermometer, conduction, radiation, capacity, change of form, liquefaction, steam.

Animal Physiology.

As contained in Knox's translation of Milne Edward's Zoology, or other similar works.

Physical Geography.

Physical Geography, as contained in Hughes or any other similar work.

V. MENTAL AND MORAL SCIENCES.

Logic.

The Elements of Logic, as contained in Whately or any similar work.

Moral Philosophy.

Moral Philosophy, as contained in Wayland, Abercrombie, or any similar work.

Mental Philosophy.

Mental Philosophy, as contained in Abercrombie, Dr. Payne, or any similar work.

9. Candidates shall not be approved by the Examiners unless they show a competent knowledge in each of the above-mentioned branches of Examination, and exhibit a special acquaintance with the subjects which are printed in Italics.

10. The Examination of the Candidates for the Degree of B. A. shall extend over six days, and shall be held in the morning from 10 to 1½, and in the afternoon from 2 to 5½.

11. On the morning of the *second Monday* after the Examination, the Examiners shall arrange in two divisions, each in alphabetical order, such of the Candidates as have passed. Those in the first division shall be recommended for the Examination for Honors.

12. For the first three years after the establishment of the University, the only requirement from Candidates for the Degree of B. A. shall be that they produce Certificates showing that they have passed the Entrance Examination and are of good moral character.

HONORS.

13. Any Candidate who has been placed in the first division at the Examination for the Degree of B. A., provided he have not delayed proceeding to the Examination for that Degree more than five years from the date of passing the Entrance Examination, may be examined for Honors in any one or more of the following branches :—

1.—Languages.

2.—History.

3.—Mathematics and Natural Philosophy.

4.—Natural History and the Physical Sciences.

5.—The Mental and Moral Sciences.

14. Candidates for Honors must give notice in writing to the Registrar, on or before the last day of March, of their wish to enter into the Examination, specifying the branch or branches in which they desire to be examined.

15. I. Candidates for Honors in LANGUAGES shall be examined in Latin and Greek, or in English and Arabic, or in English and Sanskrit.

In Latin, Greek, and English, a limited range of subjects shall be selected by the Senate from approved classical authors ; and in Arabic and Sanskrit the Examination shall be in the following works :—

ARABIC.

Alif Lailah, Nefhat-al-Yaman, Ikhwan-al-Safa, Tarikh-al Kholfa, Tarikh Yamini, Hamasah, Maqamat, Hariri, (one-half,) Dewan Ibn Fariz.

SANSKRIT.

Raghuvansa, Kumara Sambhava, Kiratarjuniya, Sisupa lavadha, Viracharita, Uttaracharita, Mudrarakshasa, Sakantala, Kadambari, Part I.

The Examination shall include translation into any Vernacular Language, and re-translation from any Vernacular Language. It shall also include Composition in any Vernacular Language upon questions arising out of the authors selected for Examination. The Candidates will also be examined in Comparative Grammar and Philology, and principles of Composition, and the History of English Literature.

The Examination shall be so conducted as to test the exact and critical acquaintance of the Candidates with the subjects selected by the Senate, and also their general acquaintance with the literature of the Languages in which they are examined.

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16. II. Candidates for Honors in HISTORY shall be examined in the following subjects :—

The History, political, constitutional, social and religious, of the principal ancient and modern nations of the world.

The History of modern civilization.

Chronology.

Ethnology.

Geography, in its bearing on history.

Political Philosophy.

Political Economy.

17. III. Candidates for Honors in MATHEMATICS and NATURAL PHILOSOPHY shall be examined in the following subjects :—

Algebra, including the theory of Equations.

Plane Analytical Geometry.

Solid Geometry, treated geometrically and analytically.

Differential and Integral Calculus.

Spherical Trigonometry.

Statics and Dynamics.

Hydrostatics.

Hydraulics and Pneumatics

Optics.

Astronomy.

18. IV. Candidates for Honors in NATURAL HISTORY and the PHYSICAL SCIENCES shall be examined in the following subjects :—

Zoology and Animal Physiology.
Botany and Vegetable Physiology.
Geology and Mineralogy.
Chemistry.
Electricity and Magnetism.
Meteorology.
Physical Geography.

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19. V. Candidates for Honors in the MENTAL AND MORAL SCIENCES shall be examined in the following subjects :—

Logic.
Philosophy of Rhetoric.
Natural Theology.
Moral Philosophy.
Mental Philosophy.

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20. They shall also be examined in one at least of the following subjects, to be selected by the Candidate himself :—

Philosophy of the Inductive Sciences.
Elements of Jurisprudence.
Philosophy of Education.
Evidences of Revealed Religion as contained in Butler's Analogy and Paley's Evidences.

---

21. The Examinations for Honors shall take place in the following order, *viz.*, Languages in the first week, History in the second, Mathematics and Natural Philosophy in the third, Natural History and the Physical Sciences in the fourth, and the Mental and Moral Sciences in the fifth week, after the general Examination for the B. A. Degree.

22. The Examination shall take place on the Tuesday,

Wednesday and Thursday of each week, in the mornings from 10 A. M. to 1½ P. M. and in the afternoons from 2 to 5½ P. M.

23. The Examiners shall publish, in the week following each Examination for Honors, a list of the Candidates who acquit themselves to their satisfaction, in order of proficiency, and in three classes. Candidates shall be bracketed together, unless the Examiners are of opinion that there is a clear difference between them.

24. In determining the relative position of Candidates for Honors in the several branches, the Examiners shall have regard to their proficiency in the corresponding subjects at the B. A. Examination.

25. The first Student of the first class in each branch shall receive a Gold Medal and a Prize of Books to the value of one hundred Rupees, and the second Student of the first class in each branch shall receive a Silver Medal and a Prize of Books to the value of one hundred Rupees, provided that their answers are considered by the Examiners to possess sufficient merit.

MASTER OF ARTS.

26. Every person who, immediately after passing the B. A. Examination, obtains Honors in any one or more of the above-mentioned five branches of knowledge, shall be entitled to the Degree of MASTER OF ARTS without further examination or fee.

27. Any other Graduate of this or any other Indian University or of any of the Universities of the United Kingdom, may be admitted to the examination for the Degree of M. A. on payment of a fee of fifty Rupees.

28. No Special Examination will be held, but the Candidate must pass the Honor Examination in at least one of the prescribed branches of knowledge. He must give notice in writing to the Registrar, on or before the last day of March, of his intention to enter into the Examination, specifying the

branch in which he desires to be examined, and must at the same time furnish a Certificate of having received the Degree of B. A.

29. Every Candidate for the Degree of M. A. is expected to possess a complete knowledge of every subject included in the branch in which he is examined.

30. If a Candidate fail to pass the Examination, the fee will not be returned to him. He may be admitted to any one or more subsequent Examinations on payment of a like fee of fifty Rupees on each occasion.

31. The names of the successful Candidates for the Degree of M. A. shall be published in an alphabetical list, and each successful Candidate shall receive with his Degree a Certificate setting forth the branch in which he was examined.

GENERAL.

No question shall be put at any University Examination, so as to require an expression of religious belief on the part of the Candidate; and no answer or translation given by any Candidate shall be objected to on the ground of its expressing any peculiarity of religious belief.

MINUTES

OF

THE SENATE.

FOR THE YEAR 1857.

No. 3.

The 5th September.

Present :—

THE VICE-CHANCELLOR, IN THE CHAIR.
REV. A. DUFF, D. D.
A. GRANT, ESQ., M. D.
W. C. B. EATWELL, ESQ., M. D.
E. GOODEVE, ESQ., M. D.
CAPTAIN E. C. S. WILLIAMS.
H. WOODROW, ESQ., M. A.
JAS. SUTCLIFFE, ESQ., M. A.
BABOO PROSUNNO COOMAR TAGORE.
BABOO RAMAPERSAD ROY.
REV. J. OGILVIE, M. A.
MOULVI MAHOMED WUJEEH.

On the motion of the Vice-Chancellor, the following Resolutions were passed *nem con.* :—

1. That in page 6 of the Bye-Laws, the third para., as at present printed, be altered as follows :—

The Executive Government of the University shall be vested in a Syndicate consisting of the Vice-Chancellor and six of

the Fellows, who shall be elected for one year by the several Faculties in the following proportions :—

Three by the Faculty of Arts.
One by the Faculty of Law.
One by the Faculty of Medicine.
One by the Faculty of Civil Engineering.

The elections to take place within one month before the Annual Meeting of the Senate, and the names of the persons elected to be declared at such Meeting.

2. That the Regulations in Arts, as finally settled by the Faculty, be adopted.

3. That the Regulations in Medicine, as finally settled by the Faculty, be adopted.

4. That the Regulations in Civil Engineering, as finally settled by the Faculty, be adopted.

5. That the Registrar be instructed to forward the Bye-Laws and Regulations to the Governor-General in Council for consideration, with a request that the final orders of Government may be passed thereon, as soon as may be convenient, and so as to give them the force of Law before the Annual Meeting of the Senate to be held on Saturday, the 12th of December next.

6. That meanwhile the existing Provisional Committee be instructed to conduct the current business of the University.

W. GRAPEL, M. A.
Registrar.

(Confirmed,)
JAMES WM. COLVILE,
Vice-Chancellor.

MINUTES

OF THE

PROVISIONAL COMMITTEE

FOR THE YEAR 1857.

No. 11.

The 31st October.

Present :—

THE VICE-CHANCELLOR.
MR. BEADON.
DR. GRANT.
REV. J. MULLENS, B. A.

Read a letter from the Secretary to the Government of India, No. 1193, dated the 30th September, 1857, stating that the Bye-Laws and Regulations as settled by the Senate, at its meeting of the 5th September, 1857, had been approved by the Governor-General in Council, and would, when reduced to writing and sealed with the Common Seal of the University, be binding on all its members.

The Registrar reported that (150) copies of the Bye-Laws and Regulations as so confirmed, had been printed off, and circulated to members of the Senate, to Principals of affiliated Institutions, and to Secretaries to Local Committees of Public Instruction.

ORDERED :—

That the letter of Government be recorded, and that the Registrar do cause a few copies to be made on Royal folio paper and thereunto do affix the common seal.

2. That the Registrar do request the Presidents to convene their several Faculties on some day after Thursday, the 12th November, and before Monday the 30th November, for the purpose of electing their representatives in the Syndicate for the ensuing year.

3. That the Registrar do communicate with Messrs. S. Smith & Co. and endeavour to make some arrangements with that firm for the publication annually of a Calendar of the University; the work to be published at the cost and risk of the publishers, the Registrar supplying the necessary information and lists of names.

4. The Registrar reported that the Quarterly Account for the Quarter ending 30th September, 1857, had been forwarded to the Accountant General and that it contained the following particulars :—

RECEIPTS :

From Government,..... .....Rs.	1,080	9	3

DISBURSEMENTS :

Establishment,.....	1,080	9	3

ORDERED :—

To be recorded.

5. The following Bill of Contingent Charges was passed :—

To Duftory for 8 paste Boards, and allowance for July, August and September, 1857,.....	4	0	0

6. It was also ordered that the Scheme for the Entrance Examination to be held in March 1858, be published in the Government Gazettes, and a sufficient number of extra copies be printed off for circulation.

7. Submitted the following forms of Certificates :—

CALCUTTA UNIVERSITY.

B. A. EXAMINATION—18

I certify that
is, to the best of my belief, of good moral character, and has satisfied me, by the production of the Registrar's Certificate, that he has passed the Entrance Examination of the Calcutta University.

Dated }

(Signed)

CALCUTTA UNIVERSITY.

B. A. EXAMINATION, 18

I certify that is to the best of my belief of good moral character that he has the Certificate of the Registrar in proof of his having in March, 18 , passed the Entrance Examination of the Calcutta University, and that during the period which has elapsed since he passed such Entrance Examination, he has prosecuted his studies in being one of the Institutions connected by affiliation with the Calcutta University.

Dated }

W. GRAPEL, M. A.
Registrar.

(Confirmed)
JAMES WM. COLVILE,
Vice-Chancellor.

MINUTES

OF THE

FACULTY OF LAW

FOR THE YEAR 1857.

No. 2.

The 14th November.

Present :—

THE VICE-CHANCELLOR.
MR. RITCHIE.
BABOO PROSSUNNO COOMAR TAGORE.
BABOO RAMAPROSAUD ROY.
MOULAVI MOHAMED WUJEEH.

On the motion of Baboo Prossunno Coomar Tagore, seconded by the Chairman.

RESOLVED :—

That Mr. Ritchie be elected by the Faculty to represent it in the Syndicate during the coming year, and that his name be declared as such representative at the Annual Meeting of the Senate to be held on Saturday, the 12th December next.

2. Read a Notification as to the Examination of Candidates for the Degree of B. L. in March, 1858.

ORDERED :—

To be laid, with the approval of the Faculty, before the Provisional Committee at its next ordinary meeting.

3. The question of the appointment of Examiners having been discussed.

RESOLVED :—

That the Registrar do communicate with Mr. Montriou, Professor of Law in the Presidency College, and do request him to state whether he has any or what suggestions to make with reference to such appointment, such suggestions, if any, to be laid before the Provisional Committee at its next ordinary meeting, but in no respect to be conclusive either on that body, or on the Faculty.

W. GRAPEL, M. A.
Registrar.

(Confirmed)

JAMES WM. COLVILE,
Vice-Chancellor.

MINUTES

OF THE

FACULTY OF MEDICINE

FOR THE YEAR 1857.

No. 2.

The 18th November.

Present :—

DR. GRANT.
DR. EATWELL.
DR. MOUAT.
DR. GOODEVE.

It was proposed by Dr. Grant and seconded by Dr. Goodeve, that in consideration of his great exertions in the cause of education, and especially of his efforts to procure the establishment of the Calcutta University, the Faculty do elect Dr. Mouat to represent it in the Syndicate during the coming year. That gentleman however having said, that by reason as well of his continued absences from Calcutta, as of his being no longer immediately connected with Education, he could not conscientiously accept of the proposed honor, it was on his motion proposed and unanimously carried :—

That Dr. A. Grant be elected to represent the Faculty in the Syndicate during the coming year, and that his name be declared as such representative at the Annual Meeting of the Senate to be held on Saturday, the 12th December next.

2. RESOLVED :—

That the Registrar do communicate to the Syndicate at its next ordinary meeting on Saturday the 28th instant, the opinion of the Faculty, that the Certificate of having passed the Entrance Examination, be not demanded from Candidates who may in March, 1858, proceed to the First Examination for the Degree of Licentiate in Medicine and Surgery, but that on all after occasions this Certificate be strictly required.

3. The following form of Certificate to be produced by Candidates for the First Examination for the Degree of Licentiate in Medicine and Surgery, was approved :—

Entered and Registered.
No. *of*

Calcutta University.

CALCUTTA MEDICAL COLLEGE.

CERTIFICATE FOR FIRST EXAMINATION.

For the Degree of Licentiate in Medicine and Surgery.

We the undersigned Professors of the Calcutta Medical College, do certify that has been engaged in Medical Studies from 18 to 18 being a period of at least two Academical years, and that he has attended the courses of Lectures following :—

	No. of Lectures.	Conduct.	Signature of Professors.
Descriptive and Surgical Anatomy, ...			
Chemistry, ...			
Botany, ...			
Materia Medica, ...			
Physiology, ...			
Practical Chemical Exercises in testing the nature of ordinary Poisons and in examination of Animal Secretions and Urinary Deposits, ...			
Practical Pharmacy for at least three months, producing a Certificate of having acquired a practical knowledge of preparation and compounding of Medicines, ...			
Dissection during two Winter terms, the Candidate having completed at least twelve dissections during each of those terms, ...			

Principal,
Medical College.

In addition to the above Certificate, the Candidate bringing this Schedule, must show that he has completed his eighteenth year and has passed the Entrance Examination of this University.

Read a form of Notification as to the First Examination to be held in March, 1858.

Approved and directed to be laid by the Registrar before the Syndicate at its next ordinary meeting.

W. GRAPEL, M. A.
Registrar.

(Confirmed)
A. GRANT,
President of the Faculty.

MINUTES

OF THE

FACULTY OF ARTS.

FOR THE YEAR 1857.

No. 2.

The 28th November.

Present :—

DR. DUFF, IN THE CHAIR.
MR. BEADON.
PRINCE GOLAM MAHOMED.
REV. J. OGILVIE.
MR. WOODROW.
MR. SUTCLIFFE.

RESOLVED :—

That Cecil Beadon, Esq., W. Gordon Young, Esq., and the Rev. Dr. Duff do represent the Faculty in the Syndicate during the coming year, and that their names, as such representatives, be duly proclaimed at the General Meeting of the Senate to be held on Saturday, the 12th December.

2. The following subjects in Languages for Entrance 1859, and for B. A. 1860, were settled and recommended for the favorable consideration of the Provisional Committee.

Calcutta University.

SUBJECTS FOR THE ENTRANCE EXAMINATION IN ARTS, 1859.

I.—Languages.

English.

Goldsmith,..... Vicar of Wakefield.
Johnson, ... Vanity of Human Wishes.
Parnell, ... The Hermit.

Greek.

Homer's Iliad, Books 1, 2 and 3.
Xenophon Cyropædia, Books 1 and 2.

Latin.

Horace, Odes, Book 3.
Sallust, Jugurtha.

Hebrew.

Book of Genesis.

Arabic.

Alif Laila. | Nafhat al Yaman.

Persian.

Gulistan. | Bostan.

Sanskrit.

Raghuvansa. | Kumar Sumbhava.

Bengali.

Life of Raja Krishna Chunder Roy.
Ramayun.

Hindi.

The Ramayun.

Urdu.

Bagh-o-Bahar and Gul-i-bakawali.

Oorya.

Bishnu Surma's Hitopodesh.

CALCUTTA UNIVERSITY.

SUBJECTS FOR THE BACHELOR OF ARTS DEGREE EXAMINATION, 1860.

I.—Languages.

English.

Shakspeare,..... Julius Cæsar.
Spenser, ... As in Richardson's Selections.
Scott, ... Marmion.
Johnson, ... Lives of—1. Milton, 2. Dryden, 3. Addison, 4. Pope, 5. Swift.

Greek.

Sophocles, ... Ajax.
Herodotus, ... Book 2. Euterpe.

Latin.

Virgil, ... Georgics, Books 1 and 2.
Cicero, ... In Verrem.

Hebrew.

Deuteronomy, ...
Daniel, ... I.—VII.
Isaiah, ... I.—XXXIX.
Psalms,..... I.—XLI.
Proverbs, ...

Arabic.

Ikhwan al-Safa, Soyuti's Tarikh-al-Kholfa.

Persian.

Sekander Nameh, Abu-l-Fazl's Letters.

Sanskrit.

Kiratarjuniya, Viracharita.

Bengáli.

Batrish Singhasan, Purush Parikhya, Mahabharat, Books 1 to 3.

Hindi.

Tulsi's Ramayun (Balkhand and Ayodhyakhand.)
Subhabilas.

Urdu.

Bagh-o-Bahar, Davan-i-Souda (Kassedah's).

Oorya.

Bishnu Surma's Hitopodesh.

3. RESOLVED :—

That the Registrar do put himself in communication with the Secretary to the Calcutta School Book Society, and do recommend the publication by that Society of amended and expurgated editions of the Ramayun, Life of Raja Krishna Chunder Roy, Probodh Chandrica and Mahabharat, and to state that if editions so amended and expurgated be prepared by the Society, in such manner as to obtain the full approbation of this Faculty, such editions will, when published, be adopted by the University as its text books, and be used in all its Examinations. The Registrar is also directed to suggest that the work of correcting the text might, with much advantage, be conceded to Baboo Ram Chunder Mitter, Professor of Bengali in the Presidency College.

4. It was finally resolved that the Registrar do record it as the opinion of the Faculty that in the treatment of the subjects of Hydrostatics, &c. of Optics and of Astronomy the Examiners should be guided by the Standard laid down by and exemplified in the Examination Papers of the London University.

W. GRAPEL, M. A.
Registrar.

(Confirmed)
ALEXANDER DUFF,
President of the Faculty.

MINUTES

OF THE

PROVISIONAL COMMITTEE.

FOR THE YEAR 1857.

No. 12.

The 28th November.

Present :—

THE VICE-CHANCELLOR.

MR. BEADON. DR. DUFF.

DR. GRANT. CAPT. YULE.

Read a letter from Mr. J. W. Dalrymple, Under-Secretary to the Government of India, No. 2416, dated the 18th November, 1857, intimating that Captain H. Yule has been appointed a member of the University Senate.

ORDERED :—

To be recorded, and that the name of Captain H. Yule be added to the Faculty of Civil Engineering.

2. The Registrar reported that the several Faculties had made their elections of members to represent them in the Syndicate during the coming year. The Faculty of Arts having elected Cecil Beadon, Esq., W. Gordon Young, Esq. and the Rev. Dr. Duff, that of Law W. Ritchie, Esq., that of Medicine Dr. Grant, and that of Civil Engineering Capt. H. Yule.

ORDERED :—

That the names of these gentlemen be duly reported to the Senate at the Annual Meeting to be held on Saturday, the 12th of December next.

3. Read a recommendation of the Faculty of Medicine that the Certificate of having passed the Entrance Examination be not demanded of Candidates who may in March, 1858, proceed to the First Examination for the Degree of Licentiate in Medicine and Surgery.

ORDERED :—

That the recommendation of the Faculty be adopted, it being clearly understood that all the other requirements of the University as to timely notice, production of Certificates and payments of fees be enforced, and that on all future occasions the Certificate as to Entrance will also be strictly required.

4. Read the following notification which had been approved by the Faculty as to the First Examination for the Degree of Licentiate in Medicine and Surgery to be held in March 1858.

CALCUTTA UNIVERSITY.

MEDICINE.

Licentiate in Medicine and Surgery.

FIRST EXAMINATION, 1858.

1. The first Examination will commence on Monday, the 15th day of March, 1858.

2. Candidates will not this year be required to have passed the Entrance Examination; but on all future occasions this requirement will be insisted on.

3. No Candidate will be admitted to this Examination unless he have produced Certificates to the following effect :—

(*a.*) Of having completed his eighteenth year.

(*b.*) Of having been engaged in Medical Studies for two Academic years.

(*c.*) Of having attended Courses of Lectures on the following Subjects :—

Descriptive and Surgical Anatomy.—Two Courses.

Chemistry.—Two Courses.

Botany.—One Course.

Materia Medica.—One Course.

Physiology.—One Course.

Practical Chemical Exercises in testing the nature of ordinary Poisons and in the examination of Animal Secretions and Urinary Deposits.—One Course.

Practical Pharmacy for at least three months, producing a Certificate of having acquired a practical knowledge of Preparation and Compounding of Medicines.

(*d.*) Of having dissected during two Winter Terms, and of having completed at least Twelve Dissections during each of these Terms.

4. These Certificates must be given to the Registrar on or before Monday, the 1st day of March, 1858.

5. A Fee of Five Rupees must be paid by each Candidate, and no Candidate will be admitted to the Examination unless he have previously paid this Fee to the Registrar. If a Candidate fail to pass the Examination the Fee shall not be returned to him. He may be admitted to any one or more subsequent Examinations on payment of a like Fee of Five Rupees on each occasion.

6. Candidates will be examined in the following Subjects :—

Descriptive and Surgical Anatomy.

Chemistry.

Botany.

Materia Medica and Pharmacy.

Practical Chemistry so far as regards the testing of the presence and nature of ordinary Poisons and the Examination of Animal Secretions and Urinary Deposits.

7. The Examination will be Written, Oral and Practical.

8. The Examinations will be conducted in the following order, *viz.* :—

Monday, March 15th.—Anatomy and Physiology (Written Paper).

Tuesday, March 16th.—Anatomy and Physiology (Oral and Practical).

Wednesday, March 17th.—Materia Medica (Written Paper.)

Thursday, March 18th.—Chemistry (Written Paper).

Friday, March 19th.—Practical Anatomy.

Saturday, March 20th.—Descriptive and Surgical Anatomy (Written Paper).

Monday, March 22nd.—Materia Medica (Practical).

Tuesday, March 23rd.—Chemistry (Oral).

Wednesday, March 24th.—Botany (Written Paper).

Thursday, March 25th.—Botany (Practical).

9. The Examinations will be held from 11 A. M. till 4 P. M. on the abovementioned days. The Candidates are required to be in attendance a quarter of an hour earlier than the beginning of each Examination, in order that no time may be lost in taking their places.

10. On the 1st of April, the Examiners will arrange the successful Candidates in two Divisions, whereof the first will be arranged in the order of Merit and the second in Alphabetical order.

11. If, in the opinion of the Examiners, sufficient merit be evinced, the Candidate who shall distinguish himself the most in Descriptive and Surgical Anatomy, the Candidate who shall distinguish himself the most in Chemistry, the Candidate who shall distinguish himself the most in Materia Medica and Pharmaceutical Chemistry, and the Candidate who shall distinguish himself the most in Botany shall each receive a Scholarship of sixteen Rupees a month for the next three years.

12. No Candidate shall receive more than one such Scholarship, and if any Candidate shall be the most distinguished in more than one of the above-mentioned Subjects, the Examiners may award a like Scholarship to the Candidate who shall have passed the second best Examination in any such

Subject, provided they think that he has evinced sufficien merit.

By Order of the Vice-Chancellor.

W. GRAPEL, M. A.,

Registrar.

Calcutta University, December, 1857.

ORDERED :—

To be published in the Calcutta Government Gazett and that 30 copies be printed off for separate circulation.

5. Submitted Draft of Notification as to the examinatior for the Degree of Bachelor of Law to be held in March 1858 as approved by the Faculty of Law.

ORDERED :—

To be published in the Calcutta Government Gazette and that 30 copies be printed off for separate circulation.

6. Submitted the subjects in Languages recommended by the Faculty of Arts for Entrance 1859 and for B. A. 1860. (Vide Minutes No. 2, dated 20th November, 1857.)

ORDERED :—

To be published in the Calcutta Government Gazette and that 500 copies of each be struck off for separate circulation.

7. The question of the Appointment of Examiners to conduct the several University examinations for Entrance, B. A. Degree, and Honors having been discussed.

RESOLVED :—

That the following gentlemen be requested to form a Board and that as a body, such Board should be responsible as well for the Questions set, as for the valuation of the answers, and that each member should be ready if called upon to assist, so far as he is able as well in the other subjects of the examiuation, as in those to which he has been specially appointed :—

English and Classics.—W. Grapel, Esq. M. A. Professor, Presidency College.

Urdu, Persian and Arabic.—Capt. W. N. Lees, Principal, Calcutta Madrissa.

Sanskrit, Bengali, Hindi and Oorya.—Pundit Isser Chunder Bidyasagor, Principal, Sanskrit College.

History and Geography.—E. B. Cowell, Esq. B. A., Professor, Presidency College.

Mathematics and Natural Philosophy.—The Rev. T. Smith, Free Church Institution.

Natural History and Physical Sciences.—H. Scott Smith, Esq. A. B., Professor, Civil Engineering College.

Mental and Moral Sciences.—The Rev. A. Duff, D. D.

RESOLVED :—

That the Examiners be instructed that 100 marks is the maximum number allotted to each subject, that in order to pass the Entrance Examination Candidates should in every subject obtain at least 25 marks and a failure to obtain that proportion in any one paper is to cause the rejection of the Candidate, while none shall be placed in the first of the two Divisions at the Entrance Examination who does not obtain at least 50 per cent. of the aggregate number of marks.

2. That with reference to the Degree of B. A., the Examiners be instructed that while the standard will be very considerably higher and the number of marks to be obtained in each subject greater than that for Entrance, the Vice-Chancellor and Senate leave it to the discretion of the Board of Examiners to say what proportion of marks should be demanded in order to show that a Candidate possesses that competent, that special, or that complete knowledge of the several subjects in the absence of which no Candidate can be approved.

That with reference to this Board of Examiners, each member should receive a remuneration of Co.'s Rs. 600 (six hundred) but that in the event of there being any Candidate or Candidates for Honors, the Examiner who in such account was called upon to set an additional paper or papers should be entitled to receive an additional allowance of Co.'s Rupees 100 (one hundred).

8. With reference to the examination of Candidates for the Degree of Bachelor of Law, to take place in March 1858.

RESOLVED :—

That the work of examination be intrusted jointly to the following gentlemen :—

W. A. Montriou, Esq. Professor of Law, Presidency College.

W. Grapel, Esq. M. A. late Professor of Jurisprudence, Presidency College,

That of the six papers to be set, Mr. Montriou do solely set that on Procedure, and Evidence and that on the Criminal Law; that Mr. Grapel do solely set that on General Jurisprudence and that on Contracts, while each do set one half of the two papers on the rights of persons, &c. and on the right of property, &c., the questions of Mr. Montriou having special reference to the law of these subjects as they obtain in India, and those of Mr. Grapel to general principles and the English Law.

That, with reference to this examination, each examiner should receive a remuneration of Co.'s Rupees 300 (three hundred), but that in the event of there being any Candidate or Candidates for Honors, the Examiner who in such account should be called upon to set an additional paper or papers should be entitled to receive an additional remuneration of Co.'s Rupees 100 (one hundred).

9. The Registrar submitted a copy of the Statutes of the University fairly engrossed on Royal paper.

ORDERED :—

To be bound and that the common Seal of the University be affixed to the initial page.

10. Submitted a Bill amounting to Co.'s Rupees 20 for the engrossing of the statutes as aforesaid.

ORDERED :—

To be passed.

11. Read a letter from the Registrar to Messrs. S. Smith and Co. with reference to the publication of a University Calendar together with their reply No. 180, dated the 26th November, 1857, agreeing to undertake the publication as an experiment for one year and to supply the University gratuitously with twenty-five copies.

Approved and directions given to the Registrar to furnish Messrs. S. Smith and Co. in due time with the subject matter needed for such publication.

W. GRAPEL, M. A.
Registrar.

(Confirmed)
JAMES WM. COLVILE,
Vice-Chancellor.

MINUTES

OF THE

SENATE

FOR THE YEAR 1857.

No. 4.

The 12th December.

Present :—

THE HON'BLE SIR J. W. COLVILE, IN THE CHAIR.
THE HON'BLE GENERAL LOW,
THE REV. A. DUFF, D. D.
DR. A. GRANT.
CAPTAIN W. N. LEES.
REV. J. OGILVIE.
DR. E. GOODEVE.
BABOO PROSUNNO COOMAR TAGORE.
PUNDIT ISSER CHUNDER BIDYASAGUR.
MOULVI MAHOMED WUJEEH.

The following Report of the Provisional Committee was read, approved and ordered to be recorded.

1. Statutes consisting of Bye-laws for the government of the University, and Regulations touching the granting of Degrees in the several Faculties of Arts, of Law, of Medicine, and Civil Engineering, were drawn up, and after having been settled by reference to the different Faculties, and ratified by the Senate at a Special Meeting held on the 5th September, 1857, were finally confirmed by the Right Hon'ble the Governor General in Council, and having been reduced to writing, and having the common Seal of the University attached, are binding on all Members of the University.

2. The only University Examination which has been specially held during the year 1857, was that for Entrance, which commenced on the 6th of April, and continued during the number of days required by the Statutes. Another Examination, that, namely conducted by the Prefessors of the Calcutta Medical College, and previously known as the First Pass Examination of the College, was held to stand in lieu of the First Examination required by the Statutes to be passed by all Candidates for the Degree of Licentiate in Medicine and Surgery. The names of twelve Candidates who passed this Examination have been duly entered on the Records of the University, although certain requirements which on all future occasions will be insisted on, were waived in the case of these Candidates.

3. For the Entrance Examination, there were altogether 244 Candidates, who paid to the Fee Fund of the University, an aggregate of Company's Rupees 1220. Of these Candidates all were educated or living in Bengal, Behar or Orissa, with the exception of ten, all of whom were Students of the Delhi College. The Examiners appointed to hold this Examination, were :—

English, Greek and Latin	G. Smith, Esquire, Principal, Doveton College.
Urdu, Persian and Arabic	Captain St. George. Officiating Principal, Calcutta Madrissa.
Sanscrit, Bengali and Hindee ...	The Revd. K. M. Banerjee, Professor, Bishop's College.
History and Geography	E. B. Cowell, Esquire, M. A., Professor, Presidency College.
Mathematics and Natural Philosophy ...	W. Masters, Esquire, Professor, Metropolitan College.

The result of the Examination was as follows :—

115 were placed in the 1st Division.
57 „ „ „ 2nd Division.
67 were rejected.
15 were absent during the whole or during some portion of the Examination.

4. The following Gentlemen have been appointed Members of a Board to hold the several Examinations for B. A. Degree, and for Honors in the coming year :—

English Greek and Latin	W. Grapel, Esquire, M. A., Presidency College.
Persian, Urdu, and Arabic	Captain W. N. Lees, Principal Calcutta Madrissa.
Sanscrit, Bengali, Hindee and Oorya ...	Pundit Isserchunder Bidyasagur, Principal, Sanscrit College.
History and Geography	E. B. Cowell, Esquire, M. A., Professor, Presidency College.
Mathematics and Natural Philosophy ...	The Reverend T. Smith, Professor, Free Church Institution.
Natural History and Physical Sciences ...	H. S. Smith, Esquire, B. A., Professor, Civil Engineering College.
Mental and Moral Sciences	The Reverend A. Duff, D. D.

5. For the Degree of Bachelor of Law, the Examiners appointed are Mr. Montriou and Mr. Grapel.

6. The first Examination for the Degree of Licentiate in Medicine and Surgery will be held by the Professors of the Medical College.

7. The Accounts of the University have been furnished in Quarterly Returns to the Accountant General, the last Return having been made up to the 30th September. As the sole receipts of the University are derived from Fees, and as no Fees for Degrees have yet been levied, it is manifest that the cost to Government of the University has been greater during the present, than it is likely to be in future years. The Balance against the University, or cost to Government for the three first Quarters of the year, has been as follows :—

For the Quarter ending 31st March, 1857, Co's. Rs.	59	9	4
,, ,, ,, 30th June ,, ,,	3437	4	9
,, ,, ,, 30th Sept. ,, ,,	1080	9	3
Total for the three Quarters, Co.'s Rupees ...	4577	7	4

8 In addition to the several Colleges in immediate connection with Government, the following Educational Establishments have, up to the present time, been connected by affiliation with the University :—

1.	Doveton College	Calcutta.
2.	St. Paul's School	Do.
3.	Free Church Institution ...	Do.
4.	La Martiniere	Do.
5.	London Missionary's Institution ...	Bhowanipore.
6.	Serampore College	Serampore.

9. Arrangements have been made for the publication of a University Calendar to appear annually at the close of the several Examinations.

By order of the Provisional Committee,

(Signed) W. GRAPEL, M. A.,

CALCUTTA UNIVERSITY, *Registrar.*

The 4th December, 1857.

2. The Registrar reported that the several Faculties had, within the time limited by the Statutes, made their elections of Members to represent them in the Syndicate, during the coming year, and that the result of such elections was as follows :—

The Faculty of Arts elected Cecil Beadon, Esquire, W. Gordon Young, Esquire, and The Rev. Dr. Duff.

The Faculty of Law elected W. Ritchie, Esquire.

The Faculty of Medicine elected Dr. A. Grant.

The Faculty of Civil Engineering elected Captain H. Yule.

Resolved that these elections be approved and ratified.

3. It was finally resolved that the several Faculties for the coming year should be organized as follows :—

ARTS.

The Bishop,	Ex-officio.
Mr. Dorin.	Ex-officio.
The Lieut-Governor, Central Provinces.	Ex-officio.
Prince G. Mohamed.	
Mr. Beadon.	
Mr. Gordon Young.	
Captain Lees.	
Rev. Dr. Kay.	
Rev. Dr. Duff.	
Mr. Sutcliffe.	
Rev. Mr. Ogilvie.	
Rev. Mr. Mullens.	
Mr. Woodrow.	
Isser Chunder Bidyasagur.	
Baboo Ramgopaul Ghose.	
Mr. Oldham.	
Mr. H. S. Reid.	
Mr. W. D. Arnold.	

LAW.

The Chief Justice Mr. Peacock. Mr. Ritchie. Mr. Trevor.	} Ex-officio.	Mr. Pratt. Baboo P. C. Tagore. Baboo Ramma Prosad Roy. Moulvee Mahomed Wujeeh.

MEDICINE.

The Lieut.-Governor of Bengal. Dr. Grant. Dr. Mouat.	} Ex-officio.	Dr. Thomson. Dr. Goodeve. Dr. Eatwell.

CIVIL ENGINEERING.

Commander-in-Chief. General Low. Mr. Ricketts. Colonel Goodwyn.	} Ex-officio.	Colonel Waugh. Mr. Oldham. Mr. Turnbull. Captain Williams. Captain Yule.

W. GRAPEL, M. A.,
Registrar.

(Confirmed)

J. W. COLVILE,
Vice-Chancellor.

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